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AVX Voltage Suppressors and Varistors



AVX TRANSGUARD TRANSIENT VOLTAGE SUPPRESSORS

The AVX TransGuard Transient Voltage Suppressors (TVS) with unique high-energy multilayer construction represents state-of-the-art overvoltage circuit protection. Monolithic multilayer construction provides protection from voltage transients caused by ESD, lightning, Nuclear Explosion Magnetic Pulse (NEMP), inductive switching, etc. True surface mount product is provided in EIA industry standard packages.

TransGuard products are zinc oxide (ZnO) based ceramic semiconductor devices with non-linear voltage-current characteristics (bi-directional) similar to back-to-back zener diodes. They have the added advantage of greater current and energy handling capabilities as well as EMI/RFI attenuation. Devices are fabricated by ceramic sintering process that yields a structure of conductive ZnO grains surrounded by electrically insulating barriers, creating varistor-like behavior.

Marking
All standard surface mount TransGuard chips are unmarked.

Features:

- Ni/Sn Alloy (Plated)
- Operation temp: -55°C to +125°C



DIMENSIONS (IN.)

Size	Length (mm)	Width (mm)	Thickness (mm)
0603	1.6(.063)	.80(.032)	.9(.035)
0805	2.01(.079)	1.25(.049)	1.02(.040)
1206	3.20(.126)	1.60(.063)	1.02(.040)
1210	3.20(.126)	2.49(.098)	1.70(.067)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Working Voltage Max. @ $50\mu\text{A}$	Breakdown Voltage @ 1mA DC	Clamping Voltage Max. @ 8/20μS	Peak Current Amp. @ 8/20μS	Tran. Energy Joules	Cap. pF .05Vrms@: 1kHz 1MHz	Inductance nH @ di/dt= 100mA/nS	Price Each			Per Reel of 1000 (ea.)
								1	100	500	
603											
581 - VC060303A100DP	3.3	4.1 - 6.0	10	30	0.1	1800 - 1230	<math><1.0</math>	.28	.24	.23	.22
581 - VC060305A150DP	5.6	7.6 - 9.3	15.5	30	0.1	1000 - 825	<math><1.0</math>	.28	.24	.23	.22
581 - VC060309A200DP	9	11.0 - 14.0	20	30	0.1	650 - 500	<math><1.0</math>	.28	.24	.23	.22
581 - VC060314A300DP	14	16.5 - 20.3	30	30	0.1	500 - 424	<math><1.0</math>	.28	.24	.23	.22
581 - VC060318A400DP	18	22.9 - 28.0	40	30	0.1	275 - 225	<math><1.0</math>	.28	.24	.23	.22
581 - VC060330A650DP	30	37.0 - 46.0	65	30	0.1	175 - 150	<math><1.0</math>	.28	.24	.23	.22
805											
581 - VC080503A100DP	3.3	4.1 - 6.0	10	40	0.1	1300 - 930	<math><1.5</math>	.28	.26	.24	.23
581 - VC080505A150DP	5.6	7.6 - 9.3	15.5	40	0.1	1250 - 860	<math><1.5</math>	.28	.26	.24	.23
581 - VC080505C150DP	5.6	7.1 - 8.7	15.5	120	0.3	3500 - 2400	1.5	.43	.38	.36	.34
581 - VC080509A200DP	9	11.0 - 14.0	20	40	0.1	780 - 585	<math><1.5</math>	.28	.26	.24	.23
581 - VC080512A250DP	12	14.0 - 18.3	25	40	0.1	525 - 400	<math><1.5</math>	.28	.26	.24	.23
581 - VC080514A300DP	14	16.5 - 20.3	30	40	0.1	375 - 280	<math><1.5</math>	.28	.26	.24	.23
581 - VC080518A400DP	18	22.9 - 28.0	40	30	0.1	350 - 275	<math><1.5</math>	.28	.26	.24	.23
581 - VC080526A580DP	26	30.5 - 37.3	58	100	0.3	250 - 190	1.5	.28	.26	.24	.23
1206											
581 - VC120603A100DP	3.3	4.1 - 6.0	10	40	0.1	2000 - 1500	<math><1.7</math>	.36	.32	.30	.29
581 - VC120603D100DP	3.3	3.7 - 5.6	10	150	0.4	4700 - 3800	1.7	.47	.42	.40	.38
581 - VC120605A150DP	5.6	7.6 - 9.3	15.5	40	0.1	1200 - 870	<math><1.7</math>	.36	.32	.30	.29
581 - VC120614A300DP	14	16.5 - 20.3	30	40	0.1	600 - 500	<math><1.7</math>	.36	.32	.30	.29
581 - VC120618A400DP	18	22.9 - 28.0	40	30	0.1	350 - 270	<math><1.7</math>	.36	.32	.30	.29
581 - VC120626D580DP	26	30.5 - 37.3	58	120	0.4	550 - 450	1.7	.47	.42	.40	.38
581 - VC120630D650DP	30	36.0 - 45.0	65	120	0.4	500 - 400	1.7	.47	.42	.40	.38
1210											
581 - VC121048H101DP	48	54.5 - 66.5	100	250	1.2	525 - 450	2	.69	.62	.60	.56

Circuit Protection

AVX

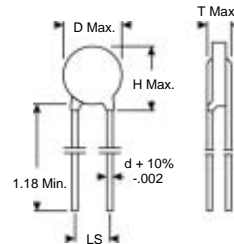
AVX METAL OXIDE VARISTORS VE SERIES

Applications:

- Transient suppression in automotive environments (such as ignition pulses, alternator field, mutual harness coupling, inductive load switching fan, heater and booster starts)
- Consumer appliances connected to 110 or 220 VAC lines
- Protection of expensive semiconductor components
- Protection of industrial equipment and motors endangered by AC line transients (computers, traffic controls, ground fault interrupters, etc.)
- Protection of equipment connected to telephone or signal lines, such as railroad and communications equipment, security and fire alarm systems
- Voltage regulation and ARC suppression across relay contacts
- Additional uses are found in instrumentation to protect input terminals from encountering destructive high voltages

Features:

- Superior response time of less than 25 ns
- Maximum clamping voltage up to 1350V
- Superior clamping characteristics
- Three different case sizes
- Voltage range from 48 through 510 VRMS
- Polycrystalline zinc oxide dielectric
- Standardized lead spacings



File No. E84108 (S)

DIMENSIONS (IN.)

Size	D Max (In.)	H Max (In.)	d (In.)	LS (In.)	T Max (In.)
A	.354	.472	.024	.200	.177
C	.669	.787	.031	.300	.197
D	.945	1.060	.031	.300	.197

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Maximum Operating Voltage (Vrms)	Maximum Clamping Voltage (8 x 20μs)		Energy (Joules) (10 x 1000μs) Number of Surges		Permissible Peak Current (8 x 20μs)	Typical Capacitance f = 1k Hz	Typical Power	Case Size	Price Each			
			Vp (V)	Ip(A)	1	10					2 Surges	pF	Watts	1
581-VE09030K	VE09M00300K	30	93	2.5	2	1	125	1050	0.02	A	.15	.13	.12	.10
581-VZA048XX	VE09M00480K	48	135	10	4	1.6	600	530	0.2	A	.26	.23	.21	.18
581-VZA075XX	VE09M00750K	75	200	10	6	1.8	600	400	0.2	A	.26	.23	.21	.18
581-VZA130XX	VE09M00131K	130	340	10	11	4	600	250	0.2	A	.14	.13	.12	.09
581-VZC130XX	VE17M00131K	130	340	50	38	25	2500	1000	0.6	C	.29	.27	.24	.19
581-VZD130XX	VE24M00131K	130	340	100	70	46	4000	2500	0.8	D	.59	.54	.49	.39
581-VZA150XX	VE09M00151K	150	400	10	13	4.1	600	220	0.2	A	.14	.13	.12	.09
581-VZC150XX	VE17M00151K	150	400	50	45	30	2500	850	0.6	C	.29	.27	.24	.19
581-VZD150XX	VE24M00151K	150	400	100	80	56	4000	2000	0.8	D	.59	.54	.49	.39
581-VZA250XX	VE09M00251K	250	645	10	21	7.3	600	130	0.2	A	.13	.12	.11	.09
581-VZC250XX	VE17M00251K	250	645	50	72	39	2500	500	0.6	C	.29	.27	.24	.19
581-VZA275XX	VE09M02750K	275	710	10	23	7.4	600	120	0.2	A	.13	.12	.11	.09
581-VZC275XX	VE17M02750K	275	710	50	75	40	2500	450	0.6	C	.29	.27	.24	.19
581-VZD275XX	VE24M02750K	275	710	100	140	105	4000	1200	0.8	D	.61	.56	.51	.41
581-VZD510XX	VE24M00511K	510	1350	100	200	150	4000	550	0.8	D	1.69	1.48	1.38	1.16

AVX METAL OXIDE VARISTOR KIT

The 30 piece kit contains 2 of the VZC Series, 2 of the VZD Series, 3 of the VZA Series, and 3 of the VZC Series. For a Customized Kit with other values, please contact a Mouser Customer Service Representative.

Contains:

- 3 each, VZA Series: 48, 130, 150 (Vrms)
- 3 each, VZC Series: 130, 150 (Vrms)
- 2 each, VZC Series: 250 (Vrms)
- 2 each, VZD Series: 130, 150, 275, 510 (Vrms)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each
370-MOV-1	\$32.95

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

BOURNS TISP THYRISTOR OVERVOLTAGE PROTECTORS

Continuing to provide the most complete solutions to your circuit protection needs, Bourns recently introduced the TISP® line of products. The TISP® products are specially designed to provide protection for telecommunications equipment in instances where high voltages occur as a result of lightning strikes, power line crosses or a/c power surges. Coupled with Bourns' Multifuse® PPTC overcurrent protectors and Bourns, Line Protection Networks, the TISP® products offer telecom customers a more comprehensive total protection product line.

Dual Bidirectional Thyristor Surge Protector

This TISP® device series protects central office, access and customer premise equipment against overvoltages on the telecom line. These devices are housed in a through-hole-3-pin single-in-line (SL) plastic package.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/45/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP3080H3SL	A	65	80	500	300	200	100	2.50	2.25	1.20	1.13
652	TISP3082F3SL	A	66	82	80	70	50	35	2.00	1.80	.96	.90
652	TISP3350H3SL	A	275	350	500	300	200	100	2.50	2.25	1.20	1.13

Bidirectional Thyristor Surge Protector

This TISP® device series protects central office, access and customer premise equipment against overvoltages on the telecom line. These devices are housed in a through-hole DO-92 package (TO-92 package with cropped center leg).

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/45/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP4070M3LM	B	58	70	300	220	100	50	.87	.78	.42	.39
652	TISP4080M3LM	B	65	80	300	220	100	50	.87	.78	.42	.39
652	TISP4350M3LM	B	275	350	300	220	100	50	.87	.78	.42	.39
652	TISP4070H3LM	B	58	70	500	300	200	100	1.00	.90	.48	.45
652	TISP4080H3LM	B	65	80	500	300	200	100	1.00	.90	.48	.45
652	TISP4350H3LM	B	275	350	500	300	200	100	1.00	.90	.48	.45

Quad-Forward-Conducting Buffered P-Gate Thyristor

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

Independent Overvoltage Protection for Two SLICs in Short

Loop Applications:

- Wide 0 to -90 V Programming Range
- Low 5 mA max. Gate Triggering Current
- High 150 mA min. (85°C) Holding Current
- Specified 1.2/50 & 0.5/700 Limiting Voltage
- Full -40°C to 85°C Temperature Range

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.			GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP6NTP2ADR	C	0 to -90	85	75	25	20	2.34	2.10	1.12	1.05

Very Low Voltage Bidirectional Thyristor Overvoltage Protectors

This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

For quantities of 3,000 and up, call for quote.

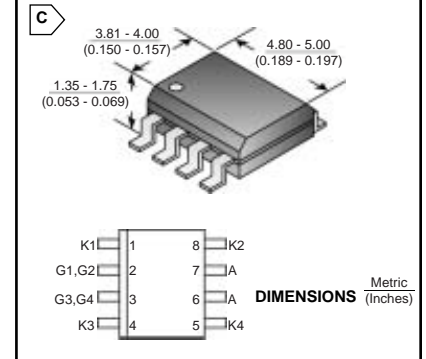
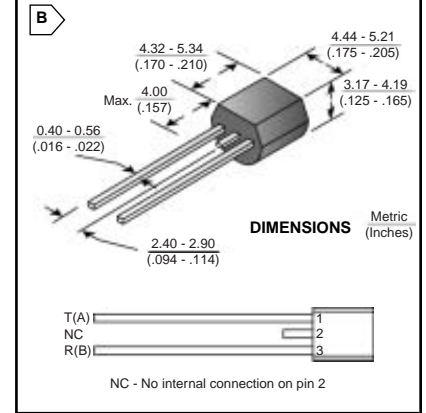
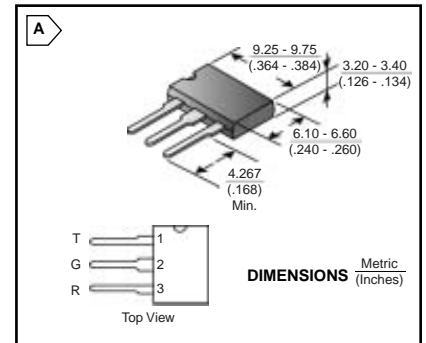
MOUSER STOCK NO.		Fig.	Standoff Voltage V_{BO} (V)	Protect. Voltage V_{BO} (V)	Holding Current $I_{H(MA)}$	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.					GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	TIA/EIA-IS-968 10/560 μ s (A)	ITU-T K.20/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500
652	TISP4015H1BJR	D1	8	15	50	500	125	150	100	.95	.81	.68	.54
652	TISP4040H1BJR	D1	25	40	50	500	125	150	100	.95	.81	.68	.54

Forward-Conducting Unidirectional Thyristor Overvoltage Protectors

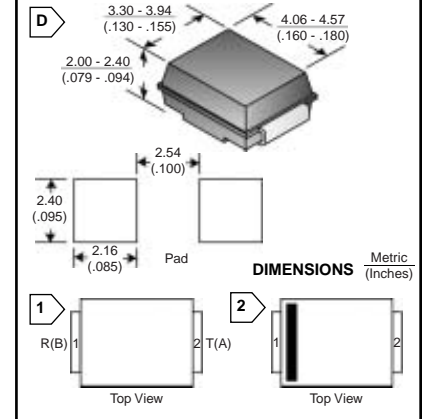
This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

For quantities of 3,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{BO} (V)	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each				
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	TIA/EIA-IS-968 10/560 μ s (A)	ITU-T K.20/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP5070H3BJR	D2	65	-70	500	300	160	200	100	1.07	.96	.51	.48
652	TISP5080H3BJR	D2	65	-80	500	300	160	200	100	1.07	.96	.51	.48



NOTES: A. Leads are within 0.25 (0.010) radius of true position at maximum material condition.
B. Body dimensions do not include mold flash or protrusion.
C. Mold flash or protrusion shall not exceed 0.15 (0.006).
D. Lead tips to be planar within ± 0.051 (0.002).



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

BOURNS TISP THYRISTOR OVERVOLTAGE PROTECTORS

Continuing to provide the most complete solutions to your circuit protection needs, Bourns recently introduced the TISP® line of products. The TISP® products are specially designed to provide protection for telecommunications equipment in instances where high voltages occur as a result of lightning strikes, power line crosses or a/c power surges. Coupled with Bourns' Multifuse® PPTC overcurrent protectors and Bourns, Line Protection Networks, the TISP® products offer telecom customers a more comprehensive total protection product line.

Bidirectional Thyristor Overvoltage Protectors

This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{BO} (V)	Protect. Voltage V_{BO} (V)	Holding Current $I_{H(max)}$	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.					GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP4145H3BJR	A	120	145	150	500	160	200	100	1.00	.90	.48	.45
652	TISP4395H3BJR	A	320	395	150	500	160	200	100	1.00	.90	.48	.45

Medium and High-Voltage Triple Element Bidirectional Thyristor Overvoltage Protectors

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

This TISP7xxxF3 series are 3-point overvoltage protectors designed for protecting against metallic (differential mode) and simultaneous longitudinal (common mode) surges. Each terminal pair as the same voltage limiting values and surge current capability. This terminal pair surge capability ensures that the protector can meet the simultaneous longitudinal surge requirement which is typically twice the metallic surge requirement.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/45/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP7125F3SL	B	100	125	190	175	70	45	2.50	2.25	1.20	1.13
652	TISP7290F3SL	B	220	290	190	175	70	45	2.50	2.25	1.20	1.13
652	TISP7350F3SL	B	275	350	190	175	70	45	2.50	2.25	1.20	1.13

Triple Element Bidirectional Thyristor Overvoltage Protectors

This single-in-line package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/45/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP7290H3SL	B	230	290	500	350	200	100	3.67	3.30	1.76	1.65
652	TISP7350H3SL	B	275	350	500	350	200	100	3.67	3.30	1.76	1.65

Dual Forward-Conducting P-Gate Thyristor Programmable Overvoltage Protectors

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

This TISP61089B is a dual forward-conducting buffered p-gate thyristor (SCR) overvoltage protector. It is designed to protect monolithic SLICs (Subscriber Line Interface Circuits) against overvoltages on the telephone line caused by lightning, a.c. power contact and induction. The TISP61089B limits voltages that exceed the SLIC supply rail voltage. The TISP61089B parameters are specified to allow equipment compliance with Bell core GR-1089-CORE, Issue 2 and ITU-T recommendations K.20, K.21 and K.45.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Protect. Voltage V_{BO} (V)	I _{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.			GR-1089-CORE 2/10 μ s (A)	ANSI C62.41 8/20 μ s (A)	ITU-T K.20/21 5/310 μ s (A)	GR-1089-CORE 10/1000 μ s (A)	1	100	500	1000
652	TISP61089ADR	C	0 to -120	120	- - -	40	30	2.34	2.10	1.12	1.05
652	TISP61089BDR	C	0 to -170	120	- - -	40	30	2.10	1.80	.96	.90

A

2.00 - 2.40 (.079 - .094)

3.30 - 3.94 (.130 - .155)

4.06 - 4.57 (.160 - .180)

Top View

2.40 (.095)

2.16 (.085)

2.54 (.100)

Pad

R(B) 1

2 T(A)

DIMENSIONS Metric (Inches)

B

9.25 - 9.75 (.364 - .384)

8.31 (.327) Max.

4.267 (.168) Min.

Top View

4.267 (.168) Min.

8.31 (.327) Max.

T

G

R

1

2

3

DIMENSIONS Metric (Inches)

NOTES: A. Each pin centerline is located within 0.25 (0.010) of its true longitudinal position.
B. Body molding flash of up to 0.15 (0.006) may occur in the package lead plane.

C

3.81 - 4.00 (.150 - .157)

4.80 - 5.00 (.189 - .0197)

1.35 - 1.75 (.053 - .069)

Top View

1.35 - 1.75 (.053 - .069)

4.80 - 5.00 (.189 - .0197)

K1

G

NC

K2

8

7

6

5

JA

KA

DIMENSIONS Metric (Inches)

NOTES: A. Leads are within 0.25 (0.010) radius of true position at maximum material condition.
B. Body dimensions do not include mold flash or protrusion.
C. Mold flash or protrusion shall not exceed 0.15 (0.006).
D. Lead tips to be planar within ± 0.051 (0.002).

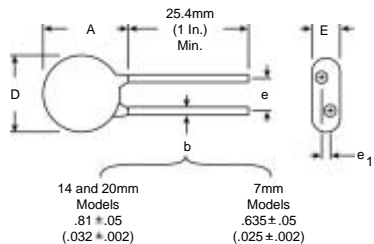
NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Varistors, Thermistors, and Surge Arrestors

Littelfuse METAL OXIDE VARISTORS LA SERIES

Littelfuse varistors are voltage dependent, symmetrical, metal-oxide semiconductor devices. Their characteristics enable them to protect against high transient voltage spikes (when properly selected) to meet anticipated loads. When the protected equipment or circuit encounters high voltage spikes, the varistor impedance changes from a very high standby value to a very low conducting value, thus clamping the transient voltage to a protective level. The excess energy of the incoming high voltage pulse is absorbed by the Harris varistor, protecting voltage sensitive components against damage.

DIMENSIONS: mm (IN.)



Features:

- Wide voltage / energy range
- Excellent clamp ratio
- Fast response time
- Low standby power
- No follow-on current
- Radial package
- Line voltage operation
- UL recognized

Outline Dimensions

Symbol	Varistor Model	
	V130LA V320LA	V480LA V575LA
e ₁ + 1mm - (.039)	2.5 (.098)	4.0 (.157)
E(max)	5.6 (.220)	7.3 (.287)

Dimensions: mm (In.)

Symbol	Varistor Model Size		
	7mm	14mm	20mm
A (max)	11.7 (0.461)	18.9 (0.744)	25.5 (1.00)
D (max)	8.7 (0.343)	16.4 (0.646)	22.5 (0.886)
e + 1mm - (.039)	5.0 (0.197)	7.5 (0.295)	7.5 (0.295)
Typical Weight (grams)	0.5	2	3

Circuit Protection

For quantities of 2000 and up, call for quote.

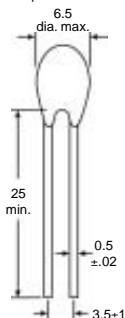
GE Number	MOUSER STOCK NO.	Size Disc Dia. (mm)	Device Marking	Maximum Ratings (25°C)				Characteristics					Typical Capacitance @ f=1MHz (pF)	Price Each			
				Continuous		Transient		VNOM Varistor Peak Voltage			Max. Clamping Voltage VC @ Test Current (8x20µs)			1	100	500	1000
				RMS Voltage	DC Voltage	Energy (10/1000µs)	Peak Cur (8/20µs)	Min.	Max @ 1mA DC	Max @ 1mA AC	Vc	Ip					
				Volts	Volts	Joules	Amps	Volts	Volts	Volts	Volts	Volts					
V130LA1	570-V130LA1	7	1301	130	175	7	800	184	255	273	390	10	180	.32	.30	.27	.26
V130LA2	570-V130LA2	7	1302	130	175	10	1200	184	232	254	340	10	180	.36	.33	.31	.28
V130LA10A	570-V130LA10A	14	130L10	130	175	35	4500	184	232	254	340	50	1000	.60	.54	.50	.47
V130LA20A	570-V130LA20A	20	130L20	130	175	70	6500	184	232	254	340	100	1900	.79	.73	.67	.62
V130LA20B	570-V130LA20B	20	130L20B	130	175	70	6500	184	220	238	325	100	1900	.82	.75	.69	.65
V150LA1	570-V150LA1	7	1501	150	200	8	800	212	284	301	430	10	150	.36	.33	.31	.28
V150LA2	570-V150LA2	7	1502	150	200	11	1200	212	268	282	395	10	150	.36	.33	.31	.28
V150LA10A	570-V150LA10A	14	150L10	150	200	40	4500	212	268	282	395	50	800	.60	.54	.50	.47
V150LA20A	570-V150LA20A	20	150L20	150	200	80	6500	212	268	282	395	100	1600	.79	.73	.67	.62
V150LA20B	570-V150LA20B	20	150L20B	150	200	80	6500	212	243	255	360	100	1600	.82	.75	.69	.65
V250LA2	570-V250LA2	7	2502	250	330	12	800	354	453	509	730	10	110	.39	.36	.33	.31
V250LA4	570-V250LA4	7	2504	250	330	17	1200	354	429	472	650	10	110	.39	.36	.33	.31
V250LA20A	570-V250LA20A	14	250L20	250	330	70	4500	354	429	472	650	50	500	.60	.54	.50	.47
V250LA40A	570-V250LA40A	20	250L40	250	330	130	6500	354	429	472	650	100	1000	.79	.73	.67	.62
V275LA2	570-V275LA2	7	2752	275	369	14	800	389	515	579	775	10	100	.39	.36	.33	.31
V275LA20A	570-V275LA20A	14	275L20	275	369	75	4500	389	473	522	710	50	450	.60	.54	.50	.47
V275LA40A	570-V275LA40A	20	275L40	275	369	140	6500	389	473	522	710	100	900	.79	.73	.67	.62
V275LA40B	570-V275LA40B	20	275L40B	275	369	140	6500	389	473	495	680	100	900	.82	.75	.69	.65
V300LA4	570-V300LA4	7	3004	300	405	22	1000	420	517	579	775	10	90	.43	.40	.37	.34
V320LA20A	570-V320LA20A	14	320L20	320	420	90	4500	462	565	635	850	50	380	.74	.68	.63	.59
V320LA40B	570-V320LA40B	20	320L40	320	420	160	6500	462	540	580	810	100	750	.95	.88	.81	.75
V480LA40A	570-V480LA40A	14	480L40	480	640	105	4500	670	825	914	1240	50	450	.85	.78	.72	.66
V480LA80B	570-V480LA80B	20	480L80	480	640	180	6500	670	790	878	1160	100	900	1.16	1.06	.98	.90
V575LA40A	570-V575LA40A	14	575L40	575	730	120	4500	805	1000	1060	1500	50	370	1.16	1.06	.98	.90
V575LA80B	570-V575LA80B	20	575L80	575	730	220	6500	805	960	1010	1410	100	750	1.58	1.45	1.33	1.24



NTC THERMISTORS

B constant signifies the dimensions of the resistance changes against a temperature between two optional temperatures.

- Temperature range: -40°C to +125°C
- Heat resistant, and moisture proof
- Maximum power rating: 450mW (@ 25°C)
- Almost indefinite life
- Dissipation factor: 4.5mW/°C (@ 25°C)

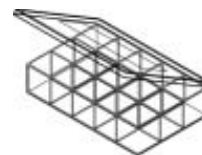


DIMENSIONS (mm)

MOUSER STOCK NO.	(Ω) @ 25°C Value	B (K) (25°C/50°C) B-Constant	I (Max) @ 25°C (mA)	Price Each				
				1	100	500	1000	2000+
334-31101	100	3100	200	.66	.44	.37	.25	
334-NTC201	200	3000	200	.66	.44	.37	.25	C
334-NTC301	300	3000	150	.66	.44	.37	.25	A
334-NTC501	500	3800	106	.66	.44	.37	.25	L
334-NTC102	1K	3700	80	.66	.44	.37	.25	L
334-NTC152	1.5K	3700	60	.66	.44	.37	.25	
334-NTC202	2K	4000	60	.66	.44	.37	.25	F
334-NTC302	3K	4000	50	.66	.44	.37	.25	O
334-NTC502	5K	4100	45	.66	.44	.37	.25	R
334-NTC103	10K	4100	30	.66	.44	.37	.25	
334-NTC153	15K	4200	25	.66	.44	.37	.25	Q
334-NTC203	20K	4200	25	.66	.44	.37	.25	U
334-NTC503	50K	4400	20	.66	.44	.37	.25	O
334-NTC104	100K	4400	15	.66	.44	.37	.25	T
334-NTC224	220K	4500	6	.66	.44	.37	.25	E
334-NTC404	400K	4500	5	.66	.44	.37	.25	



NTC THERMISTOR KIT



Contains 60 pieces
5 Each: 100, 200, 300, 500, 1K, 2K, 3K, 5K, 10K, 15K, 20K, 50K, Ω @ 25°C

MOUSER STOCK NO.	Price Each
370-NTC-T2	\$29.95



GAS TUBE SURGE ARRESTORS

Features:

- Medium duty
- Two electrode
- Max. impulse discharge current (8/20µs): 10kA
- Max. AC discharge current (50Hz, 9 cycles): 65A
- Min. insulation resistance: 10¹⁰Ω
- Max. capacitance: 1.5pF
- AC(RMS) discharge current: 20A



E157510

MOUSER STOCK NO.	DC Breakdown Voltage 100V/s (V)	Max. Impulse Breakdown Voltage 100V/µs (V)	DC Holdover Voltage (V)	Impulse Life 10/1000µs 500A (times)	Nom. DC Sparkover Voltage (V)	Price Each			
						1	10	100	500
444-GT-90L	72-108	500	50	400	90 +25%/-20%	2.80	2.45	1.96	1.75
444-GT-230L	195-265	500	115	400	230 ±20%	2.80	2.45	1.96	1.75
444-GT-350L	297-403	650	150	400	350 ±20%	2.80	2.45	1.96	1.75
444-GT-600L	480-720	1,000	150	200	600 +35%/-20%	2.80	2.45	1.96	1.75

For quantities of 1000 and up, call for quote.

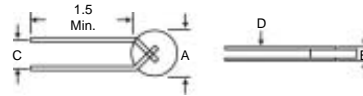
NTC THERMISTORS

NTC (Negative Temperature Coefficient) thermistors decrease in resistance as temperature increases. The maximum operating temperature is 150°C. Zero-power resistance values at 25°C range from 10Ω to 250KΩ, other values available upon request.

*Resistance tolerance is ±10%, except where denoted by an asterisk which is ±20%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Thermometrics Part Number	Ohms (Ω)	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each	
							1	10
* 527-1004-100	RL1004-65.6-59-D1	100	.110	.120	.100	26	2.29	2.09
527-1003-500	RL1003-312-73-D1	500	.110	.110	.100	26	2.27	2.06
527-1007-1K	RL1007-624-73-D1	1K	.110	.150	.100	26	2.27	2.06
527-1003-2K	RL1003-1157-95-D1	2K	.110	.110	.100	26	2.27	2.06
527-1003-3K	RL1003-1746-97-D1	3K	.110	.110	.100	26	2.27	2.06
527-1004-5K	RL1004-2910-97-D1	5K	.110	.120	.100	26	2.27	2.06
527-1009-10K	RL1009-5820-97-D1	10K	.110	.170	.100	26	2.27	2.06
527-1005-10K	RL1005-5744-103-D1	10K	.110	.130	.100	26	2.27	2.06
527-1007-25K	RL1007-13.8K-120-D1	25K	.110	.150	.100	26	2.36	2.15
527-1003-50K	RL1003-26.7K-140-D1	50K	.110	.110	.100	26	2.36	2.15
527-1006-100K	RL1006-53.4K-140-D1	100K	.110	.140	.100	26	2.36	2.15
527-1004-200K	RL1004-104.7K155-D1	200K	.110	.120	.100	26	2.36	2.15
527-1006-250K	RL1006-135.2K-138-D1	250K	.110	.140	.100	26	2.36	2.15
* 527-2004-25	RL2004-16.4-59-D1	25	.220	.130	.156	24	1.97	1.79
* 527-2007-50	RL2007-32.8-59-D1	50	.220	.160	.156	24	1.97	1.79
* 527-2003-100	RL2003-62.4-73-D1	100	.220	.120	.156	24	1.95	1.77



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Thermometrics Part Number	Ohms (Ω)	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each	
							1	10
527-2006-200	RL2006-125-73-D1	200	.220	.150	.156	24	1.95	1.77
527-2003-500	RL2003-289-95-D1	500	.220	.120	.156	24	1.95	1.77
527-2004-1K	RL2004-582-97-D1	1K	.220	.130	.156	24	1.95	1.77
527-2007-2K	RL2007-1164-97-D1	2K	.220	.160	.156	24	1.95	1.77
527-2006-2786	RL2006-1600-103-D1	2.786K	.220	.150	.156	24	1.95	1.77
527-2005-4K	RL2005-2203-120-D1	4K	.220	.140	.156	24	2.07	1.88
527-2006-5K	RL2006-2753-120-D1	5K	.220	.150	.156	24	2.07	1.88
527-2006-25K	RL2006-13.3K-140-D1	25K	.220	.150	.156	24	2.07	1.88
527-2008-100K	RL2008-52.3K-155-D1	100K	.220	.170	.156	24	2.07	1.88
* 527-3004-10	RL3004-6.56-59-D1	10	.320	.130	.250	24	2.00	1.82
527-3504-50	RL3504-31.2-73-D1	50	.370	.130	.250	24	1.98	1.80
527-3006-100	RL3006-59.4-85-D1	100	.320	.150	.250	24	1.98	1.80
527-3004-250	RL3004-144-95-D1	250	.320	.130	.250	24	1.98	1.80
527-3004-500	RL3004-291-97-D1	500	.320	.130	.250	24	1.98	1.80
527-3005-1K	RL3005-574-103-D1	1K	.320	.140	.250	24	1.98	1.80
527-3005-13.1K	RL3005-13.1K-155-D1	13.1K	.320	.050	.250	24	2.12	1.90

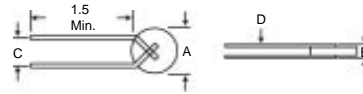
INRUSH CURRENT LIMITERS

Limiters protect against extremely high peak inrush current, especially in AC/DC switching power supplies. These NTC thermistors effectively control surge currents because the thermal time constant of the current limiter is longer than the electrical time constant (RC) of the thermistor and the capacitor.

Also available, by special order, with kinked leads.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Thermometrics Part Number	Ohms (Ω)	Amps	A Max. (In.)	B Max. (In.)	C Ref. (In.)	D (AWG)	Price Each		
								1	10	100
527-CL11	CL11	0.7	12	.77	.22	.328	18	2.17	1.97	1.58
527-CL21	CL21	1.3	8	.77	.22	.328	18	2.17	1.97	1.58
527-CL30	CL30	2.5	8	.77	.22	.328	18	2.17	1.97	1.58
527-CL40	CL40	5	6	.77	.22	.328	18	2.17	1.97	1.58
527-CL50	CL50	7	5	.77	.26	.328	18	2.17	1.97	1.58
527-CL60	CL60	10	5	.77	.22	.328	18	2.17	1.97	1.58
527-CL70	CL70	16	4	.77	.22	.328	18	2.17	1.97	1.58
527-CL80	CL80	47	3	.77	.22	.328	18	2.17	1.97	1.58
527-CL90	CL90	120	2	.93	.22	.328	18	2.35	2.14	1.71
527-CL101	CL101	0.5	16	.93	.22	.328	18	2.35	2.14	1.71



DIMENSIONS (IN.)

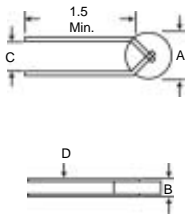
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Thermometrics Part Number	Ohms (Ω)	Amps	A Max. (In.)	B Max. (In.)	C Ref. (In.)	D (AWG)	Price Each		
								1	10	100
527-CL110	CL110	10	3.2	.40	.17	.250	24	2.04	1.85	1.48
527-CL120	CL120	10	1.7	.40	.17	.250	24	2.04	1.85	1.48
527-CL130	CL130	50	1.6	.45	.17	.250	24	2.04	1.85	1.48
527-CL140	CL140	50	1.1	.45	.17	.250	24	2.04	1.85	1.48
527-CL150	CL150	5	4.7	.55	.18	.328	22	2.06	1.87	1.50
527-CL160	CL160	5	2.8	.55	.18	.328	22	2.06	1.87	1.50
527-CL170	CL170	16	2.7	.55	.18	.328	22	2.06	1.87	1.50
527-CL180	CL180	16	1.7	.55	.18	.328	22	2.06	1.87	1.50
527-CL190	CL190	25	2.4	.55	.18	.328	22	2.06	1.87	1.50
527-CL200	CL200	25	1.7	.55	.18	.328	22	2.06	1.87	1.50
527-CL210	CL210	30	1.5	.40	.20	.250	24	2.04	1.85	1.48

PTC THERMISTORS/ RESETTABLE FUSES

The values for dissipation constant and time constant listed in the table below are reference values. Actual values are a function of mounting, air flow and other factors which affect the PTC's (Positive Temperature Coefficient) ability to dissipate heat. Standard PTC's are supplied uninsulated, but can be supplied with an insulation upon request.

MOUSER STOCK NO.	Thermometrics Part Number	Operating Voltage	Ohms (Ω) @ 25°C ±30%	Dissipation Constant mW/°C	Transition Temp. °C T _s	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each		
										1	10	100
527-5305-12V1	RL5305-1-120-12-PTO	12	1	14	120	.60	.15	.33	20	2.53	2.30	1.84
527-5305-12V2	RL5305-2-120-12-PTO	12	2	14	120	.60	.16	.33	20	2.53	2.30	1.84
527-3005-12V10	RL3005-10-110-12-PTO	12	10	7	110	.35	.15	.25	24	2.28	2.07	1.66
527-3005-12V25	RL3005-25-110-12-PTO	12	25	7	110	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/50C	RL3006-50-50-25-PTO	25	50	7	50	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/60C	RL3006-50-60-25-PTO	25	50	7	60	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/70C	RL3006-50-70-25-PTO	25	50	7	70	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/80C	RL3006-50-80-25-PTO	25	50	7	80	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/90C	RL3006-50-90-25-PTO	25	50	7	90	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/110C	RL3006-50-110-25-PTO	25	50	7	110	.35	.15	.25	24	2.28	2.07	1.66
527-3006-25V50/120C	RL3006-50-120-25-PTO	25	50	7	120	.35	.15	.25	24	2.28	2.07	1.66
527-5506-50V5	RL5506-5-65-50-PTO	50	5	14	65	.60	.18	.33	20	2.53	2.30	1.84
527-4006-50V10	RL4006-10-110-50-PTO	50	10	10	110	.45	.17	.25	24	2.68	2.44	1.95
527-3312-50V200	RL3312-200-110-50-PTO	50	200	9	110	.40	.23	.25	20	2.68	2.44	1.95
527-7510-120V10	RL7510-10-120-120-PTO	120	10	20	120	.80	.23	.33	18	2.99	2.72	2.18
527-6010-120V20	RL6010-20-120-120-PTO	120	20	18	120	.65	.23	.33	20	2.57	2.33	1.87
527-5510-120V25	RL5510-25-60-120-PTO	120	25	15	60	.60	.22	.33	20	2.57	2.33	1.87
527-4510-120V50	RL4510-50-120-120-PTO	120	50	12	120	.50	.20	.33	22	2.53	2.30	1.84
527-63-240V40/110C	RL6315-40-110-240-PTO	240	40	18	110	.65	.27	.33	18	2.68	2.44	1.95
527-55-240V50/65C	RL5515-50-65-240-PTO	240	50	17	65	.60	.27	.33	20	2.68	2.44	1.95
527-60-240V100/120C	RL6015-100-120-240-PTO	240	100	18	120	.65	.27	.33	20	2.68	2.44	1.95
527-3020-240V1.5K	RL3020-1500-100-240-PTO	240	1.5K	12	100	.35	.31	.25	20	2.68	2.44	1.95
527-7020-480V1K	RL7020-1K-100-480-PTO	480	1K	18	100	.75	.32	.33	18	2.99	2.72	2.18
527-5020-480V2K	RL5020-2K-100-480-PTO	480	2K	15	100	.55	.32	.33	18	2.53	2.30	1.84
527-3020-480V5K	RL3020-5K-100-480-PTO	480	5K	12	100	.35	.31	.25	20	2.68	2.44	1.95

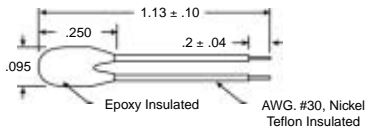


DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MINIATURE SENSORS 1°C ACCURACY

- Temperature accuracy: ±1°C @ 25°C
- Dissipation constant: 1.4mW/°C
- Time constant: 15 sec.
- Operating range: -50°C to +150°C



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Thermometrics Type (RL0503)	Material	Price Each			MOUSER STOCK NO.	Thermometrics Type (RL0503)	Material	Price Each		
			1	10	100				1	10	100
527-0503-2K	1248-73-MS	MS73	2.05	1.98	1.73	527-0503-30K	17.56K-96-MS	MS96	2.05	1.98	1.73
527-0503-5K	2890-95-MS	MS95	2.05	1.98	1.73	527-0503-50K	27.53K-120-MS	MS120	2.05	1.98	1.73
527-0503-10K	5820-97-MS	MS97	2.05	1.98	1.73	527-0503-100K	55.36K-122-MS	MS122	2.05	1.98	1.73

Circuit Protection

Thermometrics

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

XICON THERMAL CUTOFFS / THERMAL-LINKS

Features:

- Compact axial construction.
- Highly insulated.
- Fast, reliable operation.
- Special alloy that contains no cadmium.
- Also known as TCO's or Thermal Links.

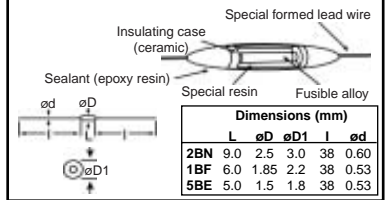
Applications:

Transformers, solenoids, ventilation fans, electric fans, small electric motors, chargers, adaptors, second battery systems, gas home appliances, fluorescent lighting, heating devices, etc.

Principle of operation:

An abnormal temperature rise will cause the special resin used in the TCO to soften and liquefy. As the abnormal temperature rises above the melting point of the fusible alloy, the alloy melts and separates the lead wires. **Xicon Thermal Cutoffs will not reset;** the TCO must be replaced after the fault in the protected equipment is corrected.

Cross Reference Chart				
Xicon Stock No.	Elmwood	Micro Temp	Selco	Panasonic
447-XYP2BN082	D081-002	4178AI	STC-183	EYP2BN082
447-XYP2BN098	D096-002	4204AI	STC-208	EYP2BN098
447-XYP2BN109	D103-002	4218AI	STC-219	EYP2BN109
447-XYP2BN124	D125-002	4257AI	STC-262	EYP2BN124
447-XYP2BN135	D139-002	4283AI	STC-286	EYP2BN135
447-XYP2BN143	D149-002	4300AI	STC-306	EYP2BN143
447-XYP2BN183	D181-002	4358AI	STC-363	EYP2BN183

Series 2BN, 1BF, and 5BE Axial Lead Type


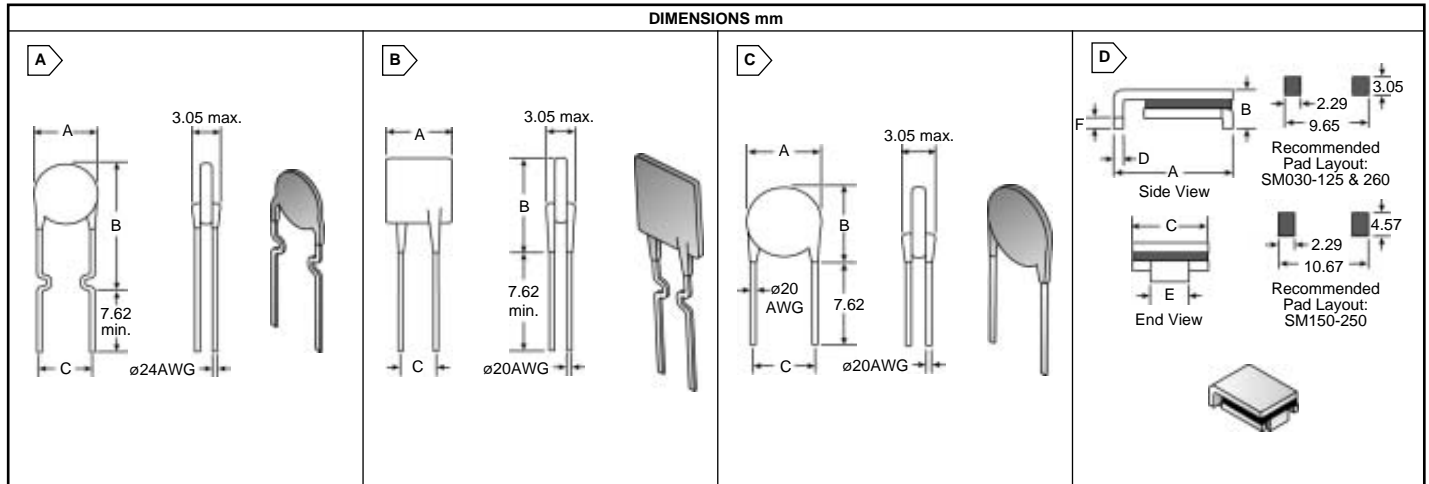
For quantities of 1000 and up, call for quote.

Mouser Part No.	Xicon Part No.	Electrical Rating		Rated Temp. (C°)	Functioning Temp. (C°)	Max Operating Temp. (C°)	Holding Temp. (C°)	Maximum Temperature		Price Each			
		Volt (V)	Amp (A)					UL, VDE (C°)	CSA (C°)	1	10	100	500
5BE Series													
447-XYP05BE102	XYP-05BE102	125V AC	1.5	102	98	70	78	200	150	.40	.38	.29	.28
		250V AC	0.5										
		50V DC	3.0										
447-XYP05BE115	XYP-05BE115	125V AC	1.5	115	110	80	80	200	150	.40	.38	.29	.28
		250V AC	0.5										
		50V DC	3.0										
447-XYP05BE130	XYP-05BE130	125V AC	1.5	130	126	90	112	200	180	.40	.38	.29	.28
		250V AC	0.5										
		50V DC	3.0										
447-XYP05BE133	XYP-05BE133	125V AC	1.5	133	128	92	115	200	180	.40	.38	.29	.28
		250V AC	0.5										
		50V DC	3.0										
447-XYP05BE139	XYP-05BE139	125V AC	1.5	139	135	99	120	200	180	.40	.38	.29	.28
		250V AC	0.5										
		50V DC	3.0										
1BF Series													
447-XYP1BF102	XYP-1BF102	125V AC	2.0	102	98	70	74	200	150	.40	.38	.29	.28
		250V AC	1.0										
		50V DC	3.5										
447-XYP1BF115	XYP-1BF115	125V AC	2.0	115	110	80	90	200	150	.40	.38	.29	.28
		250V AC	1.0										
		50V DC	4.0										
447-XYP1BF130	XYP-1BF130	125V AC	2.0	130	126	90	105	200	180	.40	.38	.29	.28
		250V AC	1.0										
		50V DC	4.5										
447-XYP1BF133	XYP-1BF133	125V AC	2.0	133	128	92	108	200	180	.40	.38	.29	.28
		250V AC	1.0										
		50V DC	4.5										
447-XYP1BF139	XYP-1BF139	125V AC	2.0	139	135	99	115	200	180	.40	.38	.29	.28
		250V AC	1.0										
		50V DC	5.0										
447-XYP1BF168	XYP-1BF168	125V AC	2.0	168	163	120	135	200	200	.40	.38	.29	.28
		250V AC	1.0										
		50V DC	5.0										
2BN Series													
447-XYP2BN082	XYP-2BN082	125V AC	3.0	86	82	52	56	200	150	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	4.0										
447-XYP2BN088	XYP-2BN088	125V AC	3.0	92	88	56	60	200	150	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	4.0										
447-XYP2BN098	XYP-2BN098	125V AC	3.0	102	98	65	70	200	150	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	4.0										
447-XYP2BN109	XYP-2BN109	125V AC	3.0	114	110	76	86	200	150	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	5.0										
447-XYP2BN110	XYP-2BN110	125V AC	3.0	115	110	80	86	200	150	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	5.0										
447-XYP2BN124	XYP-2BN124	125V AC	3.0	130	126	90	105	200	180	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	5.0										
447-XYP2BN126	XYP-2BN126	125V AC	3.0	133	128	92	108	200	180	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	5.0										
447-XYP2BN135	XYP-2BN135	125V AC	3.0	140	136	99	115	200	180	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	6.0										
447-XYP2BN143	XYP-2BN143	125V AC	3.0	145	141	105	115	200	180	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	6.0										
447-XYP2BN163	XYP-2BN163	125V AC	3.0	168	163	120	130	200	200	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	6.0										
447-XYP2BN183	XYP-2BN183	125V AC	3.0	188	183	120	140	200	200	.40	.38	.29	.28
		250V AC	2.0										
		50V DC	6.0										

Definitions:

- Rated Temperature: the temperature at which a TCO completely opens.
- Functioning Temperature: the temperature at which a TCO begins to open.
- Holding Temperature: the temperature at which a TCO will conduct the rated current for 168 hours without opening.
- Max Operating Temperature: Maximum temperature at which the device will carry full operating current without opening.

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT



MULTIFUSE® Resettable Fuses from Bourns are manufactured from a non-conductive crystalline polymer and a highly conductive carbon black. When the conductive plastic material is at normal room temperature, there are numerous carbon chains forming conductive paths through the material. Under fault conditions, excessive current flows through the material causing the temperature to rise and is accompanied by a small expansion. As the conductive particles move apart they no longer conduct current and the resistance of the device increases sharply. The material will stay "hot" as long as the power is applied. The device will remain latched, providing continuous protection, until the fault is cleared and the power is removed. The carbon chains will reform as the polymer re-crystallizes and the resistance quickly returns to its original value.

BOURNS MF-R SERIES

Features:

- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Applications:

- Almost anywhere there is a low voltage power supply and a load to be protected including:
- Computers and peripherals
 - General electronics
 - Automotive applications



For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C		Initial Resistance Ω @ 23°C		Post-Trip Resist.	Dimensions mm			Price Each				
					Hold	Trip	Min.	Max.		A (max.)	B (max.)	C (nom.)	1	100	500	1000	2000
652-MFR010	MF-R010	A	60	40	0.10	0.20	2.50	4.50	7.50	7.39	12.70	5.08	.48	.40	.32	.26	.24
652-MFR017	MF-R017	A	60	40	0.17	0.34	2.0	3.2	8.00	7.39	12.70	5.08	.48	.40	.32	.26	.24
652-MFR020	MF-R020	A	60	40	0.20	0.40	1.50	2.84	4.40	7.39	12.70	5.08	.51	.42	.34	.27	.26
652-MFR025	MF-R025	A	60	40	0.25	0.50	1.00	1.95	3.00	7.39	12.70	5.08	.51	.42	.34	.27	.26
652-MFR030	MF-R030	A	60	40	0.30	0.60	0.76	1.36	2.10	7.39	13.39	5.08	.51	.42	.34	.27	.26
652-MFR040	MF-R040	A	60	40	0.40	0.80	0.52	0.86	1.29	7.39	13.69	5.08	.53	.44	.35	.29	.27
652-MFR050	MF-R050	A	60	40	0.50	1.00	0.41	0.77	1.17	7.90	13.69	5.08	.53	.44	.35	.29	.27
652-MFR065	MF-R065	A	60	40	0.65	1.30	0.27	0.48	0.72	9.70	15.19	5.08	.53	.44	.35	.29	.27
652-MFR075	MF-R075	A	60	40	0.75	1.50	0.18	0.40	0.60	10.39	16.00	5.08	.56	.46	.37	.30	.28
652-MFR090	MF-R090	A	60	40	0.90	1.80	0.14	0.31	0.47	11.71	16.69	5.08	.56	.46	.37	.30	.28
652-MFR110	MF-R110	A	30	40	1.10	2.20	0.10	0.18	0.27	8.89	14.00	5.08	.58	.49	.39	.31	.29
652-MFR135	MF-R135	A	30	40	1.35	2.70	0.065	0.115	0.17	8.89	18.90	5.08	.56	.46	.37	.30	.28
652-MFR160	MF-R160	A	30	40	1.60	3.20	0.055	0.105	0.15	10.19	16.79	5.08	.66	.55	.44	.35	.33
652-MFR185	MF-R185	A	30	40	1.85	3.70	0.04	0.07	0.11	11.99	18.39	5.08	.58	.49	.39	.31	.28
652-MFR250-0-010	MF-R250-0-010	B	30	40	2.50	5.00	0.025	0.048	0.07	11.99	18.29	5.08	.76	.63	.50	.41	.38
652-MFR300	MF-R300	B	30	40	3.00	6.00	0.02	0.05	0.08	11.99	18.29	5.08	.68	.57	.45	.37	.35
652-MFR400	MF-R400	B	30	40	4.00	8.00	0.01	0.03	0.05	14.40	24.79	5.08	.75	.61	.49	.39	.38
652-MFR500	MF-R500	B	30	40	5.00	10.00	0.01	0.03	0.05	17.40	24.89	10.16	.78	.65	.52	.42	.40
652-MFR600	MF-R600	B	30	40	6.00	12.00	0.005	0.02	0.04	19.30	31.90	10.16	.81	.68	.54	.44	.42
652-MFR700	MF-R700	B	30	40	7.00	14.00	0.005	0.02	0.03	22.10	29.79	10.16	.83	.70	.55	.45	.44
652-MFR800	MF-R800	B	30	40	8.00	16.00	0.005	0.02	0.03	24.21	32.89	10.16	.86	.72	.57	.46	.45
652-MFR900	MF-R900	B	30	40	9.00	18.00	0.005	0.01	0.02	24.21	32.89	10.16	.88	.73	.58	.47	.46

BOURNS MF-RX SERIES

Features:

- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Applications:

- Almost anywhere there is a low voltage power supply, up to 60V and a load to be protected including:
- Security and fire alarm systems
 - Loud speakers
 - Power transformers



For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C	Initial Resist. Ω @ 23°C	Post-Trip Resist.	Dimensions mm						Price Each					
					Hold	Trip	Min.	Max.	A (max.)	B (max.)	C (max.)	D (max.)	E (max.)	F (max.)	1	100	500	1000	2000
652-MFRX110	MF-RX110	C	60	40	1.10	2.20	0.15	0.25	0.38	13.00	18.01	5.08	.53	.44	.35	.29	.27	.27	
652-MFRX135	MF-RX135	C	60	40	1.35	2.70	0.12	0.19	0.30	14.50	19.61	5.08	.53	.44	.35	.29	.27	.27	
652-MFRX185	MF-RX185	C	60	40	1.85	3.70	0.08	0.12	0.19	17.81	22.89	5.08	.61	.51	.40	.33	.31	.31	
652-MFRX300	MF-RX300	C	60	40	3.00	6.00	0.04	0.06	0.10	24.89	29.97	10.16	.63	.53	.42	.34	.32	.32	
652-MFRX375	MF-RX375	C	60	40	3.75	7.50	0.03	0.05	0.08	28.45	33.53	10.16	.75	.63	.50	.41	.39	.39	

BOURNS MF-SM SERIES

Features:

- Surface mount devices
- Fully compatible with current industry standards
- Packaged per EIA 481-2 standard
- Patents pending

Applications:

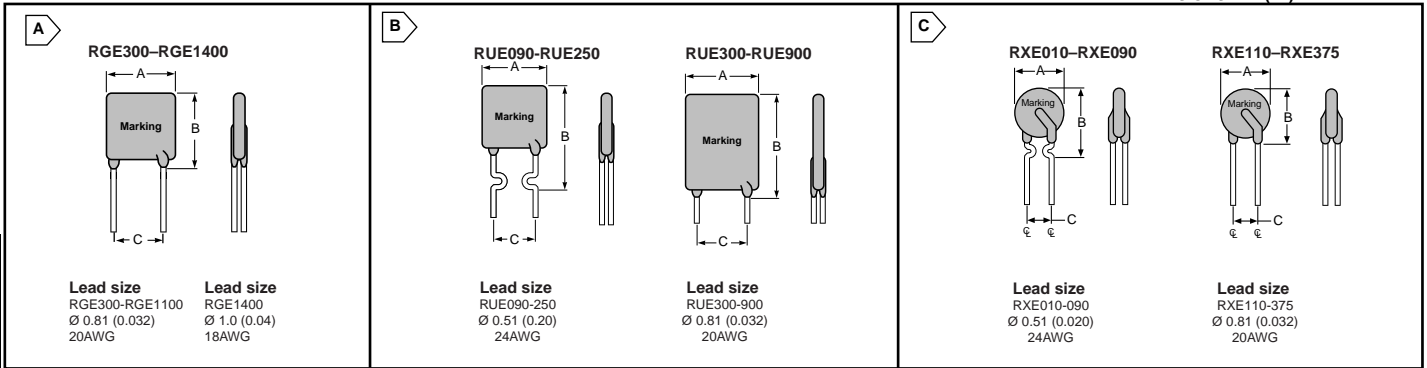
- Almost anywhere there is a low voltage power supply and a load to be protected including:
- Computers and peripherals
 - General electronics
 - Automotive applications



For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C	Initial Resist. Ω @ 23°C	Post-Trip Resist.	Dimensions mm						Price Each						
					Hold	Trip	Min.	Max.	A (max.)	B (max.)	C (max.)	D (max.)	E (max.)	F (max.)	1	100	500	1000	2000	
652-MFSM050-2	MF-SM050-2	D	60	10	0.50	1.00	0.35	0.70	1.40	7.98	3.18	5.44	.71	2.41	.43	.58	.49	.39	.31	.30
652-MFSM075-2	MF-SM075-2	D	30	40	0.75	1.50	0.35	0.70	1.00	7.98	3.18	5.44	.71	2.41	.43	.58	.49	.39	.31	.30
652-MFSM100-2	MF-SM100-2	D	30	40	1.00	2.20	0.12	0.24	0.48	7.98	3.00	5.44	.71	2.41	.43	.58	.49	.39	.31	.30
652-MFSM125-2	MF-SM125-2	D	15	40	1.25	2.50	0.07	0.14	0.25	7.98	3.00	5.44	.71	2.41	.43	.58	.49	.39	.31	.30
652-MFSM150-2	MF-SM150-2	D	15	40	1.50	3.00	0.06	0.12	0.25	9.50	3.00	6.71	.71	3.94	.43	.61	.51	.40	.33	.32
652-MFSM200-2	MF-SM200-2	D	15	40	2.00	4.00	0.05	0.10	0.125	9.50	3.00	6.71	.71	3.94	.43	.61	.51	.40	.33	.32
652-MFSM250-2	MF-SM250-2	D	15	40	2.50	5.00	0.035	0.08	0.085	9.50	3.00	6.71	.71	3.94	.43	.61	.51	.40	.33	.32
652-MFSM260-2	MF-SM260-2	D	6	40	2.60	5.20	0.025	0.075	0.075	7.98	3.00	5.44	.71	2.41	.43	.61	.51	.40	.33	.32

DIMENSIONS mm (in.)



Raychem resettable fuses utilize a polymer based, positive temperature coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operations, the PTC has many conductive paths and a very low resistance. In overcurrent conditions, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition the device provides circuit protection by significantly limiting the flow of current. Once the cause of the initial overcurrent condition is eliminated, the PTC cools down and RESETS to a low resistance value permitting the normal current to resume.

Circuit Protection

RAYCHEM RGE SERIES

This product line can be used in a wide variety of automotive, computer and general electronics applications. The RGE devices feature high current carrying capability (up to 14 amps) in a small package with fast trip times.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions mm (inches)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RGE300	A	16V	3.00	5.10	100	0.034	7.1 (0.28)	11 (0.43)	5.1 (0.20)	.65	.59	.46	.40
650-RGE500	A	16V	5.00	8.50	100	0.014	10.4 (0.41)	14.3 (0.56)	5.1 (0.20)	.67	.61	.47	.41
650-RGE600	A	16V	6.00	10.20	100	0.009	10.7 (0.42)	17.1 (0.67)	5.1 (0.20)	.72	.58	.48	.43
650-RGE700	A	16V	7.00	11.90	100	0.006	11.2 (0.44)	19.7 (0.78)	5.1 (0.20)	.76	.69	.54	.46
650-RGE900	A	16V	9.00	15.30	100	0.004	14 (0.55)	21.7 (0.85)	5.1 (0.20)	.89	.81	.64	.54
650-RGE1100	A	16V	11.00	18.70	100	0.003	17.5 (0.69)	26 (1.02)	5.1 (0.20)	1.10	1.00	.78	.67
650-RGE1400	A	16V	14.00	23.80	100	0.001	27.9 (1.10)	27.9 (1.10)	10.2 (0.40)	1.27	1.16	.90	.76

RAYCHEM RUE SERIES

These devices are designed to be used in a wide variety of general electronics applications. RUE devices complement the RXE line by providing a smaller form factor with lower resistance and higher hold current capability (up to 9 amps).

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions mm (inches)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RUE090	B	30V	0.90	1.80	40	0.070	7.4 (0.29)	12.2 (0.48)	5.1 (0.20)	.56	.51	.40	.34
650-RUE110	B	30V	1.10	2.20	40	0.050	7.4 (0.29)	14.2 (0.56)	5.1 (0.20)	.56	.51	.40	.34
650-RUE135	B	30V	1.35	2.70	40	0.040	8.9 (0.35)	15.2 (0.60)	5.1 (0.20)	.56	.51	.40	.34
650-RUE160	B	30V	1.60	3.20	40	0.030	8.9 (0.35)	15.2 (0.60)	5.1 (0.20)	.62	.56	.43	.37
650-RUE185	B	30V	1.85	3.70	40	0.030	10.2 (0.40)	15.7 (0.62)	5.1 (0.20)	.66	.60	.46	.40
650-RUE250	B	30V	2.50	5.00	40	0.020	11.4 (0.45)	18.3 (0.72)	5.1 (0.20)	.70	.64	.50	.42
650-RUE300	B	30V	3.00	6.00	40	0.020	11.4 (0.45)	17.3 (0.68)	5.1 (0.20)	.74	.68	.53	.45
650-RUE400	B	30V	4.00	8.00	40	0.010	14.0 (0.55)	20.1 (0.79)	5.1 (0.20)	.87	.79	.62	.53
650-RUE500	B	30V	5.00	10.00	40	0.010	14.0 (0.55)	24.9 (0.98)	10.2 (0.40)	.92	.83	.65	.55
650-RUE600	B	30V	6.00	12.00	40	0.005	16.5 (0.65)	24.9 (0.98)	10.2 (0.40)	.96	.87	.68	.58
650-RUE700	B	30V	7.00	14.00	40	0.005	19.1 (0.75)	26.7 (1.05)	10.2 (0.40)	1.00	.92	.71	.61
650-RUE800	B	30V	8.00	16.00	40	0.005	21.6 (0.85)	29.2 (1.15)	10.2 (0.40)	1.10	.96	.75	.63
650-RUE900	B	30V	9.00	18.00	40	0.005	24.1 (0.95)	29.7 (1.17)	10.2 (0.40)	1.10	1.00	.80	.68

RAYCHEM RXE SERIES

These products function as a general-purpose line of resettable fuses and are well suited for power supplies, alarm systems, speakers, motors, and many other applications. Products range in hold currents from 0.10 amps to 3.75 amps and complement our RUE devices by providing a higher voltage rating.

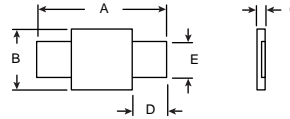
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions mm (inches)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RXE010	C	60V	0.10	0.20	40	2.50	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.55	.50	.39	.33
650-RXE017	C	60V	0.17	0.34	40	3.30	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.50	.46	.35	.30
650-RXE020	C	60V	0.20	0.40	40	1.83	7.4 (0.29)	12.2 (0.48)	5.1 (0.20)	.50	.46	.35	.30
650-RXE025	C	60V	0.25	0.50	40	1.25	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.50	.46	.35	.30
650-RXE030	C	60V	0.30	0.60	40	0.88	7.4 (0.29)	13.0 (0.51)	5.1 (0.20)	.50	.46	.35	.30
650-RXE040	C	60V	0.40	0.80	40	0.55	7.6 (0.30)	13.5 (0.53)	5.1 (0.20)	.55	.48	.37	.32
650-RXE050	C	60V	0.50	1.00	40	0.50	7.9 (0.31)	13.7 (0.54)	5.1 (0.20)	.58	.50	.38	.33
650-RXE065	C	60V	0.65	1.30	40	0.31	9.7 (0.38)	14.5 (0.57)	5.1 (0.20)	.59	.51	.40	.34
650-RXE075	C	60V	0.75	1.50	40	0.25	10.4 (0.41)	15.2 (0.60)	5.1 (0.20)	.59	.51	.40	.34
650-RXE090	C	60V	0.90	1.80	40	0.20	11.7 (0.46)	15.8 (0.62)	5.1 (0.20)	.61	.53	.41	.35
650-RXE110	C	60V	1.10	2.20	40	0.15	13.0 (0.51)	18.0 (0.71)	5.1 (0.20)	.67	.61	.47	.41
650-RXE160	C	60V	1.60	3.20	40	0.09	16.3 (0.64)	21.3 (0.84)	5.1 (0.20)	.70	.63	.49	.42
650-RXE185	C	60V	1.85	3.70	40	0.08	17.8 (0.70)	22.9 (0.90)	5.1 (0.20)	.72	.65	.50	.43
650-RXE250	C	60V	2.50	5.00	40	0.05	21.3 (0.84)	26.4 (1.04)	10.2 (0.40)	.82	.75	.59	.50
650-RXE300	C	60V	3.00	6.00	40	0.04	24.9 (0.98)	30.0 (1.18)	10.2 (0.40)	.87	.79	.62	.53
650-RXE375	C	60V	3.75	7.50	40	0.03	28.5 (1.12)	33.5 (1.32)	10.2 (0.40)	.87	.79	.62	.53

RAYCHEM LTP SERIES POLYSWITCH RESETTABLE FUSES

Provides reliable, noncycling protection for rechargeable batteries. The LTP Series also offers additional protection at elevated temperatures.

DIMENSIONS (mm)



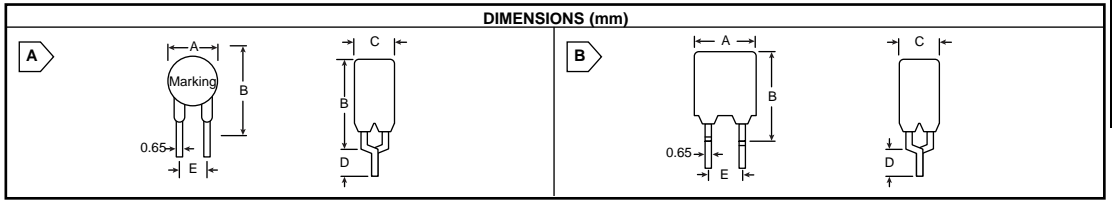
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each		
						A	B	C	D	E	Min.	Max.	1	10	100
650-LTP070	15	100	.70	1.50	5.0 @ 3.5	22.1	5.2	1.2	7.5	4.1	.100	.200	.74	.61	.47
650-LTP100	24	100	1.00	2.50	7.0 @ 5.0	23.1	5.2	1.0	5.5	4.1	.070	.130	.74	.61	.47
650-LTP180	24	100	1.80	3.80	2.9 @ 9.0	26.0	5.2	1.0	5.5	4.1	.040	.068	.81	.68	.51
650-LTP190	24	100	1.90	4.20	3.0 @ 10.0	23.4	11.0	1.1	7.6	5.4	.030	.057	.72	.60	.46

RAYCHEM TR SERIES POLYSWITCH TELECOM AND NETWORK RESETTABLE FUSES

Features:

- Resettable overcurrent protection
- Fast time to trip
- Low parasitic capacitance / flat impedance with frequency



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (A @ sec.)	Dimensions (mm)					Resistance Ω		Price Each		
							A	B	C	D	E	Min.	Max.	1	10	100
650-TR250-080U	A	250	3.00	.08	.16	.35 @ 3.00	4.80	9.10	3.80	4.70	5.00	14.00	20.00	.58	.47	.37
650-TR250-120	B	250	3.00	.12	.24	1.00 @ 1.50	6.50	11.00	4.60	4.70	5.00	4.00	8.00	.65	.53	.42
650-TR250-145	B	250	3.00	.145	.29	1.00 @ 2.50	6.50	11.00	4.60	4.70	5.00	3.00	6.00	.93	.62	.49
650-TR250-180U	B	250	10.00	.18	.36	1.00 @ 12.00	10.40	12.60	3.60	4.70	5.00	.80	2.00	.86	.72	.57
650-TR600-150	B	600	3.00	.15	.30	1.00 @ 5.00	13.50	12.60	6.00	4.70	5.00	6.00	12.00	1.21	1.11	1.01
650-TR600150RA-B-0.5	B	600	3.00	.15	.30	1.00 @ 5.00	13.50	12.60	6.00	4.70	5.00	7.00	10.00	1.20	1.10	1.00
650-TR600-160	B	600	3.00	.16	.32	1.00 @ 7.00	16.00	12.60	6.00	4.70	5.00	4.00	10.00	1.06	.97	.88
650-TR600160RAB.5.13	B	600	3.00	.16	.32	1.00 @ 7.00	16.00	12.60	6.00	4.70	5.00	4.00	10.00	1.20	1.10	1.00

RAYCHEM TVB SERIES SIBAR THYRISTOR SURGE PROTECTORS

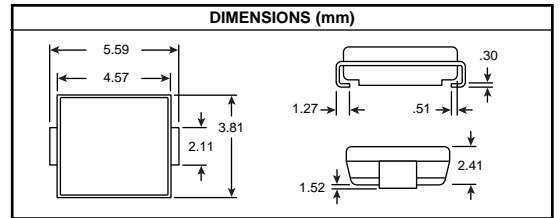
Features:

- Bidirectional transient voltage protection
- High off-state impedance
- Low on-state voltage
- Glass-passivated junctions
- Short-circuit failure mode
- Surface-mount technology

For quantities greater than listed, call for quote.

To Order Tape and Reels add "-TR" to Mouser Stock No.

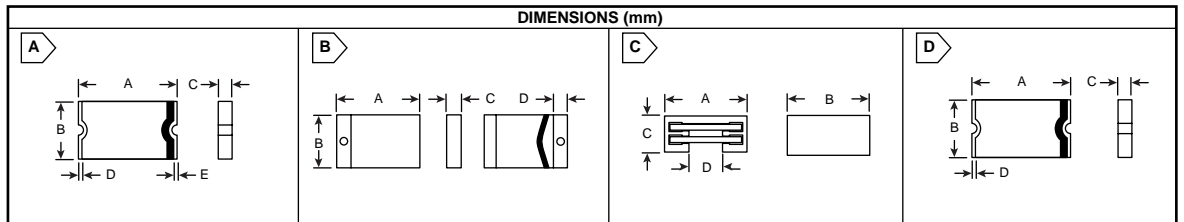
MOUSER STOCK NO.	VDM Max (V)	VBO Max (V)	IH Min (mA)	VT Max (V)	C1 Min (A)	ITSM Min (A)	Price Each			
							1	100	500	1000
650-TVB270SC	270	370	175	5.0	50	60	1.27	1.18	.99	.90
650-TVB270SA	270	370	175	5.0	20	22	1.32	1.23	1.03	.94



RAYCHEM MINISMD SERIES

Features:

- Voltage rating from 6V to 60V
- Agency recognition: UL, CSA, TÜV
- Industry's fastest time to trip
- Industry's lowest-resistance device

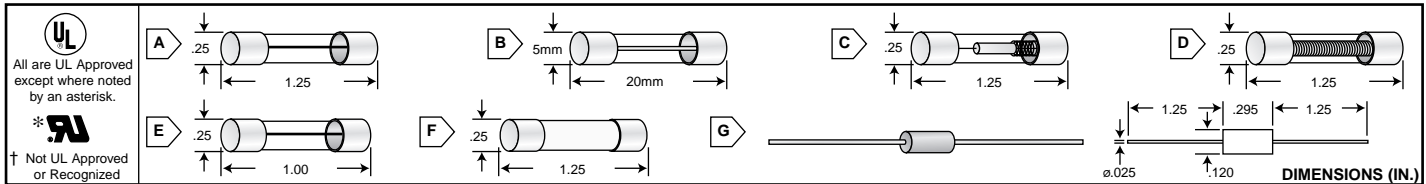


For quantities greater than listed, call for quote.

To Order Tape and Reels add "-TR" to Mouser Stock No.

MOUSER STOCK NO.	Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions (mm)					Resistance Ω		Price Each			
							A	B	C	D	E	Min.	Max.	1	100	500	1000
* 650-MINISMD014	A	60	10	.14	.34	.15 @ 1.5	4.73	3.41	0.89	0.30	0.50	1.50	6.00	.72	.58	.48	.43
650-MINISMD020	B	30	10	.20	.40	.02 @ 8.0	4.73	3.41	0.81	0.65	--	.80	5.00	.61	.48	.40	.36
* 650-MINISMD050	A	15	40	.50	1.00	.10 @ 8.0	4.73	3.41	0.62	0.30	0.50	.15	1.00	.72	.58	.48	.43
* 650-MINISMD075	A	13.2	40	.75	1.50	.15 @ 8.0	4.73	3.41	0.62	0.30	0.50	.11	.45	.72	.58	.48	.43
* 650-MINISMD110	A	6	40	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21	.72	.58	.48	.43
650-MINISMD125	A	6	40	1.25	2.50	.40 @ 8.0	4.73	3.41	0.48	0.30	0.50	.05	.14	.57	.46	.38	.34
650-MINISMD150	A	6	40	1.50	3.00	.50 @ 8.0	4.73	3.41	0.48	0.30	0.50	.04	.11	.61	.49	.41	.36
650-MINISMD190	D	16	100	1.90	3.80	2.0 @ 10	11.15	5.33	0.53	0.51	--	.02	.08	.72	.58	.48	.43
650-MINISMD200	A	6	40	2.00	4.00	10.0 @ 8.0	4.73	3.41	1.62	0.30	0.50	.02	.07	.67	.54	.45	.40
650-MINISMD260	C	6	40	2.60	4.55	5.0 @ 8.0	4.75	3.60	2.00	1.40	--	.01	--	.90	.72	.60	.54
650-MINISMDM110/16	C	16	40	1.10	1.95	.50 @ 8.0	4.75	3.60	2.00	1.40	--	.06	.18	.75	.60	.50	.45

* These devices utilize a castellated termination which enhances the solder joint inspectability when installed on a printed circuit board



Standard 1/4 x 1-1/4 Fast Acting

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-AGC-1/16	A	1/16	250	1.33	1.03	.98
504-AGC-1/8	A	1/8	250	.98	.74	.64
504-AGC-3/10	A	3/10	250	.61	.45	.32
504-AGC-1/4	A	1/4	250	.61	.45	.32
504-AGC-3/8	A	3/8	250	.61	.45	.32
504-AGC-1/2	A	1/2	250	.40	.30	.22
504-AGC-3/4	A	3/4	250	.40	.30	.22
504-AGC-1	A	1	250	.26	.19	.14
504-AGC-1-1/4	A	1 1/4	250	.26	.19	.14
504-AGC-1-1/2	A	1 1/2	250	.26	.19	.14
504-AGC-2	A	2	250	.26	.19	.14
504-AGC-2-1/2	A	2 1/2	250	.26	.19	.14
504-AGC-3	A	3	250	.26	.19	.14
504-AGC-4	A	4	250	.40	.30	.22
504-AGC-5	A	5	250	.40	.30	.22
504-AGC-6	A	6	250	.40	.30	.22
504-AGC-7-1/2	A	7 1/2	250	.40	.30	.22
504-AGC-8	A	8	250	.40	.30	.22
504-AGC-10	A	10	250	.40	.30	.22
504-AGC-15	A	15	32	.28	.21	.14
504-AGC-20	A	20	32	.28	.21	.14
504-AGC-25	A	25	32	.28	.21	.14
504-AGC-30	A	30	32	.28	.21	.14
504-AGC-35	A	35	32	.48	.35	.25

Standard 1/4 x 1-1/4 Time Delay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-MDL-1/16	D	1/16	250	1.55	1.20	1.10
504-MDL-1/10	D	1/10	250	1.55	1.20	1.10
504-MDL-3/16	D	3/16	250	1.55	1.20	1.10
504-MDL-15/100	D	15/100	250	1.55	1.20	1.10
504-MDL-1/8	D	1/8	250	1.55	1.20	1.10
504-MDL-2/10	D	2/10	250	1.55	1.20	1.10
504-MDL-1/4	D	1/4	250	.84	.70	.50
504-MDL-3/10	D	3/10	250	.84	.70	.50
504-MDL-4/10	D	4/10	250	.84	.70	.50
504-MDL-3/8	D	3/8	250	.84	.70	.50
504-MDL-8/10	D	8/10	250	.80	.68	.48
504-MDL-1/2	D	1/2	250	.80	.68	.48
504-MDL-6/10	D	6/10	250	.80	.68	.48
504-MDL-3/4	D	3/4	250	.80	.68	.48
504-MDL-1	D	1	250	.80	.68	.48
504-MDL-1-2/10	D	1 2/10	250	.68	.51	.33
504-MDL-1-1/4	D	1 1/4	250	.68	.51	.33
504-MDL-1-1/2	D	1 1/2	250	.68	.51	.33
504-MDL-1-6/10	D	1 6/10	250	.68	.51	.33
504-MDL-1-8/10	D	1 8/10	250	.68	.51	.33
504-MDL-2	D	2	250	.68	.51	.33
504-MDL-2-1/4	D	2 1/4	250	.68	.51	.33
504-MDL-2-1/2	D	2 1/2	250	.68	.51	.33
504-MDL-3	D	3	250	.68	.51	.33
504-MDL-3-2/10	D	3 2/10	250	.68	.51	.33
504-MDL-3-1/2	D	3 1/2	250	.68	.51	.33
504-MDL-4	D	4	250	.68	.51	.33
504-MDL-5	D	5	250	.68	.51	.33
504-MDL-6-1/4	D	6 1/4	250	.68	.51	.33
504-MDL-7	D	7	250	.68	.51	.33
504-MDL-8	D	8	250	.68	.51	.33
504-MDL-10	D	10	32	.91	.68	.52
504-MDL-15	D	15	32	.91	.68	.52
504-MDL-20	D	20	32	.91	.68	.52
504-MDL-25	D	25	32	.91	.68	.52
504-MDL-30	D	30	32	.91	.68	.52

Instrument 1/4 x 1 Non-Time Delay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-AGX-1/8	E	1/8	250	1.21	.91	.88
504-AGX-1	E	1	250	.39	.30	.28
504-AGX-2	E	2	250	.39	.30	.28

Ceramic 1/4 x 1-1/4 Fast Acting

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-ABC-2	F	2	250	.70	.50	.37
504-ABC-3	F	3	250	.70	.50	.37
504-ABC-5	F	5	250	.66	.48	.35
504-ABC-6	F	6	250	.66	.48	.35
504-ABC-8	F	8	250	.66	.48	.35
504-ABC-10	F	10	250	.66	.48	.35
504-ABC-12	F	12	250	.66	.48	.35
504-ABC-15	F	15	250	.66	.48	.35
504-ABC-20	F	20	250	.97	.68	.47
504-ABC-25	F	25	125	.97	.68	.47
504-ABC-30	F	30	125	.97	.68	.47

Ceramic 1/4 x 1-1/4 Time Delay

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-MDA-1	F	1	250	1.68	1.26	.90
504-MDA-2	F	2	250	1.68	1.26	.90
504-MDA-2-1/2	F	2 1/2	250	1.05	.82	.63
504-MDA-3	F	3	250	1.05	.82	.63
504-MDA-4	F	4	250	1.05	.82	.63
504-MDA-5	F	5	250	1.05	.82	.63
504-MDA-6-1/4	F	6 1/4	250	1.05	.82	.63
504-MDA-7	F	7	250	1.05	.82	.63
504-MDA-8	F	8	250	1.05	.82	.63
504-MDA-10	F	10	250	1.05	.82	.63
504-MDA-15	F	15	250	1.05	.82	.63
504-MDA-20	F	20	250	1.05	.82	.63
504-MDA-30	F	30	250	1.05	.82	.63

Axial Lead Fast Acting

• Subminiature size • Automatic insertion • Hermetically sealed

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-MCR-1/8	G	1/8	125	1.03	.77	.54
504-MCR-1/4	G	1/4	125	1.03	.77	.54
504-MCR-1/2	G	1/2	125	1.03	.77	.54
504-MCR-1	G	1	125	.79	.59	.42
504-MCR-1-1/2	G	1 1/2	125	.79	.59	.42
504-MCR-2	G	2	125	.79	.59	.42
504-MCR-3	G	3	125	.79	.59	.42
504-MCR-4	G	4	125	.79	.59	.42
504-MCR-5	G	5	125	.79	.59	.42
504-MCR-10	G	10	125	.79	.59	.42

5mm x 20mm Fast Acting Fuses

• Glass • Accepted worldwide • Recommended for new designs

For quantities greater than listed, call for quote.

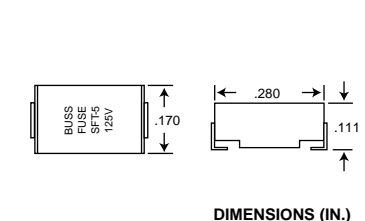
MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-GMA-63MA	B	63mA	250	1.02	.77	.69
504-GMA-1/10	B	1/10	250	.60	.45	.40
504-GMA-1/8	B	1/8	250	.60	.45	.40
504-GMA-2/10	B	2/10	250	.60	.45	.40
504-GMA-1/4	B	1/4	250	.60	.45	.40
504-GMA-1/2	B	1/2	250	.33	.25	.18
504-GMA-3/4	B	3/4	250	.33	.25	.18
504-GMA-8/10	B	8/10	250	.33	.25	.18
504-GMA-1	B	1	250	.26	.21	.14
504-GMA-1-1/2	B	1 1/2	250	.26	.21	.14
504-GMA-2	B	2	250	.26	.21	.14
504-GMA-2-1/2	B	2 1/2	250	.26	.21	.14
504-GMA-3	B	3	250	.26	.21	.14
504-GMA-4	B	4	125	.26	.21	.14
504-GMA-5	B	5	125	.26	.21	.14
504-GMA-6	B	6	125	.26	.21	.14
504-GMA-7	B	7	125	.26	.21	.14
504-GMA-8	B	8	125	.26	.21	.14
504-GMA-10	B	10	125	.26	.21	.14
504-GMA-15	B	15	125	.26	.21	.14

Dual Element 1/4 x 1-1/4 Time Delay

For quantities greater than listed, call for quote.

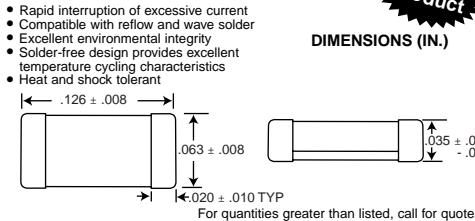
MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	100	500
504-MDQ-2	C	2	250	2.12	1.91	1.70
504-MDQ-3	C	3	250	2.12	1.91	1.70
504-MDQ-4	C	4	250	2.12	1.91	1.70
504-MDQ-5	C	5	250	2.12	1.91	1.70
504-MDQ-6	C	6	250	2.12	1.91	1.70

SURFACE MOUNT NON-TIME DELAY



MOUSER STOCK NO.	Amp (A)	Volt (V)	Price Each	
			1	100
504-SFT-1	1	125	1.10	.88
504-SFT-2	2	125	1.10	.88
504-SFT-4	4	125	1.10	.88

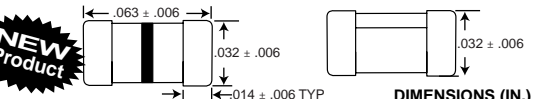
3216FF SERIES, FAST ACTING, CHIP FUSES



MOUSER STOCK NO.	Amp (A)	Voltage Rating		Price Each			
		AC	DC	1	50	100	1000
504-3216FF-250MA	1/4	32 V	63 V	.56	.53	.49	.46
504-3216FF-750MA	3/4	32 V	63 V	.56	.53	.49	.46
504-3216FF-1A	1	32 V	63 V	.56	.53	.49	.46
504-3216FF-1.5A	1 1/2	32 V	63 V	.56	.53	.49	.46
504-3216FF-3A	3	32 V	63 V	.56	.53	.49	.46
504-3216FF-4A	4	32 V	32 V	.56	.53	.49	.46
504-3216FF-5A	5	32 V	32 V	.56	.53	.49	.46

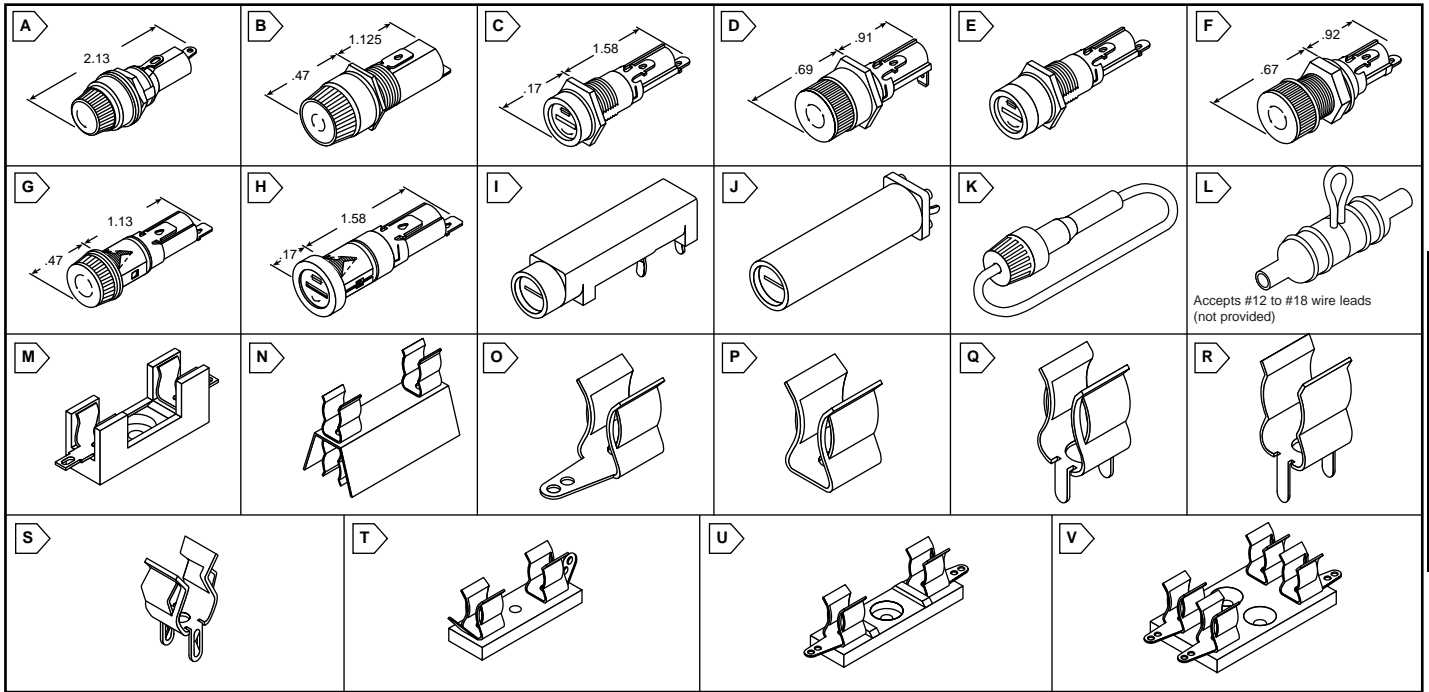
1608FF SERIES, FAST ACTING, CHIP FUSES

• Utilize thick and thin metal film technologies for superior fusing action and enhanced reliability
 • Excellent short circuit performance and environmental integrity
 • End terminations are over-plated with nickel and tin-lead
 • Solder-free design provides excellent temperature cycling characteristics



MOUSER STOCK NO.	Amp (A)	Volt (V)	Price Each			
			1	50	100	1000
504-1608FF-250MA	1/4	24V	.58	.54	.51	.47
504-1608FF-375MA	3/8	24V	.58	.54	.51	.47
504-1608FF-500MA	1/2	24V	.58	.54	.51	.47
504-1608FF-750MA	3/4	24V	.58	.54	.51	.47
504-1608FF-1A	1	24V	.58	.54	.51	.47
504-1608FF-1.5A	1.5	24V	.58	.54	.51	.47
504-1608FF-2A	2	24V	.58	.54	.51	.47
504-1608FF-2.5A	2.5	24V	.58	.54	.51	.47
504-1608FF-3A	3	24V	.58	.54	.51	.47
504-1608FF-3.5A	3.5	24V	.58	.54	.51	.47
504-1608FF-4A	4	24V	.58	.54	.51	.47

Cooper / Bussmann Fuse Holders, Fuse Clips, and Fuse Blocks



Circuit Protection

Cooper / Bussmann

COOPER Bussmann STANDARD PANEL MOUNT FUSE HOLDERS

Straight Solder Terminals

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Fuse Size (In.)	Rating	Profile	Price Each			
						1	100	500	1000
504-HJM	A	Front / Hex nut	1/4x1	5A @ 125V	Low	2.00	1.50	1.20	1.10
504-HKP	A	Front / Hex nut	1/4x1 1/4	30A @ 250V	Low	2.00	1.50	1.20	1.10
504-HKP-CC	A	Front / Hex nut	1/4x1 1/4	30A @ 250V	High	2.08	1.67	1.33	1.25

COOPER Bussmann PANEL MOUNT FUSE HOLDERS

- Flammability rating: UL 94V-0
- Terminal type: 3/16" solder/quick connect
- Temperature range: -55°C to 85°C
- Current rating: UL - 15A @ 250V CSA - 16A @ 250V VDE - 10A @ 250V SEMKO - 10A @ 250V

Standard (for 1/4" x 1 1/4" Fuses)

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Fuse Access	Rear Terminal	Price Each			
						1	100	500	1000
504-HTB-221	B	Rear Hex Nut	Low	Knob	Straight	1.88	1.61	1.24	1.12
504-HTB-241	B	Rear Hex Nut	Low	Knob	Rt.Angle	1.88	1.61	1.24	1.12
504-HTB-261	B	Rear Hex Nut	Low	Knob	Straight	1.88	1.61	1.24	1.12
504-HTB-281	B	Rear Hex Nut	Low	Knob	Rt.Angle	1.88	1.61	1.24	1.12
504-HTB-321	C	Rear Hex Nut	Low	Slotted	Straight	1.88	1.61	1.24	1.12
504-HTB-341	C	Rear Hex Nut	Low	Slotted	Rt.Angle	1.88	1.61	1.24	1.12
504-HTB-361	C	Rear Hex Nut	Low	Slotted	Straight	1.88	1.61	1.24	1.12
504-HTB-421	D	Rear Hex Nut	High	Knob	Straight	1.88	1.61	1.24	1.12
504-HTB-441	D	Rear Hex Nut	High	Knob	Rt.Angle	2.13	1.81	1.40	1.26
504-HTB-461	D	Rear Hex Nut	High	Knob	Straight	2.39	2.04	1.58	1.42
504-HTB-481	D	Rear Hex Nut	High	Knob	Rt.Angle	2.39	2.04	1.58	1.42
504-HTB-541	E	Rear Hex Nut	High	Slotted	Rt.Angle	1.88	1.61	1.24	1.12
504-HTB-561	E	Rear Hex Nut	High	Slotted	Straight	1.88	1.61	1.24	1.12
504-HTB-581	E	Rear Hex Nut	High	Slotted	Rt.Angle	1.88	1.61	1.24	1.12
504-HTB-621	F	Front Hex Nut	High	Knob	Straight	1.88	1.61	1.24	1.12
504-HTB-641	F	Front Hex Nut	High	Knob	Rt.Angle	1.88	1.61	1.24	1.12
504-HTB-661	F	Front Hex Nut	High	Knob	Straight	1.88	1.61	1.24	1.12
504-HTB-821	G	Front Snap-In	Low	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-861	G	Front Snap-In	Low	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-881	G	Front Snap-In	Low	Knob	Rt.Angle	2.13	1.81	1.40	1.26
504-HTB-921	H	Front Snap-In	Low	Slotted	Straight	2.13	1.81	1.40	1.26
504-HTB-981	H	Front Snap-In	Low	Slotted	Rt.Angle	2.39	2.04	1.58	1.42

Miniature (for 5mm x 20mm Fuses)

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Fuse Access	Rear Terminal	Price Each			
						1	100	500	1000
504-HTB-26M	B	Rear Hex Nut	Low	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-28M	B	Rear Hex Nut	Low	Knob	Rt.Angle	2.13	1.81	1.40	1.26
504-HTB-32M	C	Rear Hex Nut	Low	Slotted	Straight	1.88	1.61	1.24	1.12
504-HTB-36M	C	Rear Hex Nut	Low	Slotted	Straight	2.13	1.81	1.40	1.26
504-HTB-38M	C	Rear Hex Nut	Low	Slotted	Rt.Angle	2.13	1.81	1.40	1.26
504-HTB-42M	D	Rear Hex Nut	High	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-46M	D	Rear Hex Nut	High	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-56M	E	Rear Hex Nut	High	Slotted	Straight	2.13	1.81	1.40	1.26
504-HTB-62M	F	Front Hex Nut	High	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-82M	G	Front Snap-In	Low	Knob	Straight	2.13	1.81	1.40	1.26
504-HTB-92M	H	Front Snap-In	Low	Slotted	Straight	2.13	1.81	1.40	1.26

COOPER Bussmann FUSE HOLDERS AND CLIPS

PCB Fuse Holders • "Kicked" terminals for optimum wave soldering • Anti-wicking terminals

MOUSER STOCK NO.	Fig.	Fuse Size	Rated To		Price Each			
			Amp	Volt	1	50	100	500
504-HBH-I	I	1/4" x 1-1/4"	12	250	2.10	2.01	1.92	1.40
504-HBV-I	J	1/4" x 1-1/4"	12	250	3.31	3.00	2.88	2.69
504-HBH-M	I	5mm x 20mm	12	250	3.04	2.75	2.50	2.13
504-HBV-M	J	5mm x 20mm	12	250	3.89	3.60	3.40	3.05

In-Line Fuse Holders

* Leads not supplied

MOUSER STOCK NO.	Fig.	Fuse Size	Lead Lth. (In.)	Price Each			
				1	50	100	500
504-HRK	K	Accepts all 1/4" fuses,	8	2.32	2.20	1.91	1.51
504-HMJ	K	5/8" through 1 1/4" long	8	2.32	2.20	1.91	1.51
504-HFB	L	1/4 X 1 1/4 waterproof	- - -	5.52	5.31	5.19	5.01

Fuse Blocks

- 1/4" x 1 1/4" fuse size
- Spring-bronze clips
- Anti-pivot barrier
- Totally sealed base

MOUSER STOCK NO.	Fig.	Description	Rated To		Price Each			
			Amp	Volt	1	50	100	500
504-S-8001-1	M	Solder terminal	25	300	1.25	1.15	1.05	1.00
504-S-8101-1	M	3/16" quick connect	15	300	1.19	1.07	.95	.65

COOPER Bussmann FUSE CLIPS AND BLOCKS

Twin Clips

Makes it unnecessary to replace blown pigtail fuse by cutting or soldering. Twin-clips snap on the blown fuse.

MOUSER STOCK NO.	Fig.	Fuse Size	Price Each			
			1	50	100	500
504-3434	N	5/8" to 1 1/4" long; insulated	1.81	1.72	1.63	1.44

Fuse Clips • Made of spring bronze

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	50	100	500
504-5678-14	O	1/4" solder terminal	.14	.13	.12	.10
504-5682-41	P	1/4" screw mount	.14	.13	.12	.10
504-1A1119-10	Q	1/4" PC mount with stop	.22	.21	.20	.18
504-1A1120-10	R	1/4" PC mount	.22	.21	.20	.18
504-1A3399-10	S	5mm PC mount with stop	.14	.13	.12	.10

- Molded bakelite base
- Silver plated clips
- Beryllium copper solder terminal

MOUSER STOCK NO.	Fig.	Description	Rated To		Price Each			
			Amp	Volt	1	50	100	500
504-3828-1	T	1" fuse size	30	250	1.70	1.62	1.53	1.35
504-4405	U	1 1/4" fuse size	30	250	2.04	1.97	1.89	1.81
504-4408	V	1 1/4" fuse size	30	250	4.96	4.55	4.14	3.92

AUTO FUSE® FUSES AND HOLDERS

ATO® Fast-Acting Fuses

Designed and originated by Littelfuse for the automotive industry, the ATO® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. Readily identifiable and easily replaced, this fuse can be specified for a variety of low voltage electronic applications.



- Voltage rating: 32V For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Amp (A)	Color	Price Each		
					1	100	500
5768-57001	A	257001	1	Black	.29	.26	.24
5768-57002	A	257002	2	Gray	.29	.26	.24
5768-57003	A	257003	3	Violet	.29	.26	.24
5768-57004	A	257004	4	Pink	.29	.26	.24
5768-57005	A	257005	5	Tan	.29	.26	.24
5768-5707.5	A	25707.5	7.5	Brown	.29	.26	.24
5768-57010	A	257010	10	Red	.29	.26	.24
5768-57015	A	257015	15	Blue	.29	.26	.24
5768-57020	A	257020	20	Yellow	.29	.26	.24
5768-57025	A	257025	25	Natural	.29	.26	.24
5768-57030	A	257030	30	Green	.29	.26	.24
5768-57035	A	257035	35	Blue/Grn	.29	.26	.24
5768-57040	A	257040	40	Amber	.29	.26	.24

MINI® Fast-Acting Fuses

The MINI® fuse is smaller than the ATO® fuse, which permits more fuses in the same amount of space. More fuses in the same space satisfy the requirement that more circuits be individually fused in newer automobiles.

- Materials: plastic body, silver plated terminals

- Voltage rating: 32V For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Amp (A)	Color	Price Each		
					1	100	500
5768-97002	B	297002	2	Gray	.33	.30	.28
5768-97003	B	297003	3	Violet	.33	.30	.28
5768-97004	B	297004	4	Pink	.33	.30	.28
5768-97005	B	297005	5	Tan	.33	.30	.28
5768-9707.5	B	29707.5	7.5	Brown	.33	.30	.28
5768-97010	B	297010	10	Red	.33	.30	.28
5768-97015	B	297015	15	Blue	.33	.30	.28
5768-97020	B	297020	20	Yellow	.33	.30	.28
5768-97025	B	297025	25	Natural	.33	.30	.28
5768-97030	B	297030	30	Green	.33	.30	.28

In-Line Fuseholder for ATO® Fuses

Specifications:

- Electrical: for use with 32V ATO® fuses rated to 20A or 30A
- Mounting: snap mounting to panel from rear; interlock for multiple mounting
- Body: black thermoplastic
- Terminals: brass, tin plated, snap-lock into body
- Ambient temperature: -40°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Description	Price Each		
				1	100	500
5768-55300	C	155300	Assembled with 8" wire loop, 14AWG	1.49	1.29	1.20

In-Line Easy Crimp Fuseholder for MINI® Fuses

Use standard crimping tool and crimp the mated area to secure wire.

Specifications:

- Terminals: copper alloy, tin plated
- Body: black thermoplastic
- Operating temperature: -40°C to +105°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Description	Price Each		
				1	100	500
5768-53002	F	153002	16-22AWG stranded wire	1.48	1.10	.99

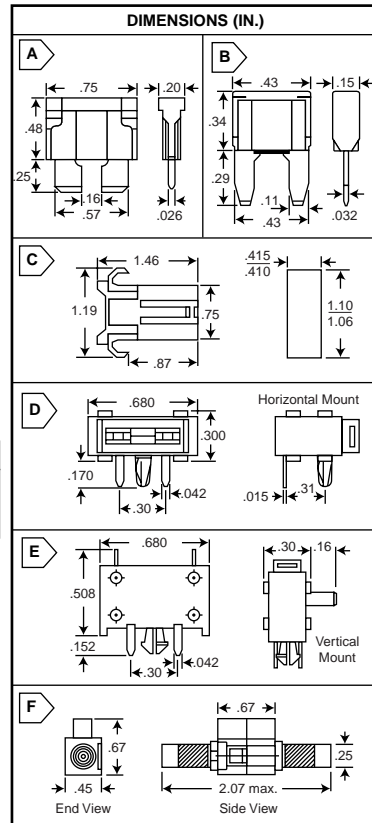
PC Board Mount Fuseholders for MINI® Fuses

Specifications:

- Electrical: rated 32VDC
- Mounting: available in horizontal or stackable vertical
- Body: black thermoplastic
- Terminals: copper alloy, tin plated
- Compatibility: standard .062" PCB thickness
- Ambient temperature: -40°C to +85°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Mounting	Price Each		
				1	100	500
5768-53007	D	153007	Horizontal	1.53	1.23	1.11
5768-53009	E	153009	Stackable vertical	1.53	1.23	1.11



Circuit Protection

Littelfuse

INDICATING/ALARM FAST-ACTING FUSES

For telecommunications equipment and similar applications.

Specifications:

- Indicator flag: color-coded to indicate amp rating
- Body: black phenolic with UL 94V0 flammability rating
- Contacts: bright alloy-plated beryllium copper
- Voltage rating: 125VAC, 60VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Amp (A)	Flag Color	Price Each		
					1	100	500
5764-81180	A	481.180	.18	Yellow	1.03	.93	.86
5764-81250	A	481.250	.25	Violet	1.03	.93	.86
5764-81500	A	481.500	.50	Red	1.03	.93	.86
5764-81650	A	481.650	.65	Black	1.03	.93	.86
5764-81750	A	481.750	.75	Brown	1.03	.93	.86
5764-81001	A	481001	1	Gray	1.03	.93	.86
5764-810133	A	4811.33	1.3	White	1.03	.93	.86
5764-81015	A	48101.5	1.5	Yel/Wh	1.03	.93	.86
5764-81002	A	481002	2	Orange	1.03	.93	.86
5764-81003	A	481003	3	Blue	1.03	.93	.86
5764-81035	A	48103.5	3.5	Blue/Wh	1.03	.93	.86

FUSES (cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Amp (A)	Flag Color	Price Each		
					1	100	500
5764-81004	A	481004	4	Brn/Wh	1.03	.93	.86
5764-81005	A	481005	5	Green	1.03	.93	.86
5764-81075	A	48107.5	7.5	Blk/Wh	1.03	.93	.86
5764-81010	A	481010	10	Red/Wh	1.03	.93	.86

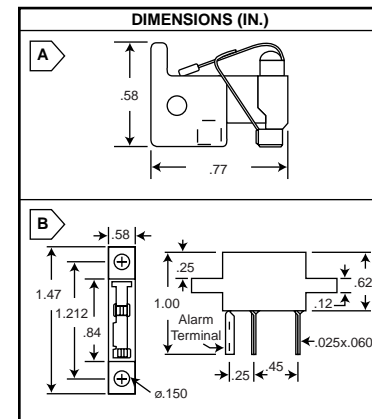
PANEL MOUNT FUSEHOLDER FOR INDICATING/ALARM FUSES

Specifications:

- Electrical: rated @ 10A for any voltage up to 125VAC, 60VDC
- Body: black phenolic with UL 94V0 flammability rating
- Terminals: brass, tin plated, wire wrap type
- Ambient temperature: -40°C to +85°C

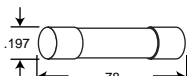
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Littelfuse Type	Mounting	Price Each		
				1	100	500
5767-02001	B	402001	Panel mount	1.89	1.65	1.52



5mm x 20mm FUSES

Electrical Characteristics	
% of Amp Rating	Opening Time
110%	4 hours min.
135%	1 hour max.
200%	5 seconds max.



235 Series Fast-Acting Fuses

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Type	Amp (A)	Volt (V)	Price Each		
				1	100	500
5765-35100	235.100	.10	250	.75	.68	.63
5765-35125	235.125	.125	250	.75	.68	.63
5765-35200	235.200	.20	250	.75	.68	.63
5765-35250	235.250	.25	250	.75	.68	.63

235 Series Fast-Acting Fuses (cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Type	Amp (A)	Volt (V)	Price Each		
				1	100	500
5765-35300	235.300	.30	250	.75	.68	.63
5765-35400	235.400	.40	250	.75	.68	.63
5765-35500	235.500	.50	250	.39	.35	.33
5765-35600	235.600	.60	250	.39	.35	.33
5765-35700	235.700	.70	250	.39	.35	.33
5765-35800	235.800	.80	250	.39	.35	.33
5765-35001	235001	1	250	.37	.31	.28
5765-35114	2351.25	1.25	250	.37	.31	.28
5765-35161	23501.6	1.60	250	.37	.31	.28
5765-35002	235002	2	250	.37	.31	.28
5765-35212	23502.5	2.50	250	.37	.31	.28
5765-35003	235003	3	125	.37	.31	.28
5765-35004	235004	4	125	.37	.31	.28
5765-35005	235005	5	125	.37	.31	.28
5765-35006	235006	6	125	.37	.31	.28

239 Series Slo-Blo® Fuses

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Type	Amp (A)	Volt (V)	Price Each		
				1	100	500
5765-39200	239.200	.20	250	.80	.72	.66
5765-39250	239.250	.25	250	.80	.72	.66
5765-39300	239.300	.30	250	.80	.72	.66
5765-39400	239.400	.40	250	.80	.72	.66
5765-39500	239.500	.50	250	.80	.72	.66
5765-39600	239.600	.60	250	.80	.72	.66
5765-39700	239.700	.70	250	.80	.72	.66
5765-39800	239.800	.80	250	.80	.72	.66
5765-39001	239001	1	250	.80	.72	.66
5765-39114	2391.25	1.25	250	.80	.72	.66
5765-39161	23901.6	1.60	250	.80	.72	.66
5765-39002	239002	2	250	.80	.72	.66
5765-39212	23902.5	2.50	250	.80	.72	.66
5765-39003	239003	3	250	.80	.72	.66
5765-39004	239004	4	125	.80	.72	.66

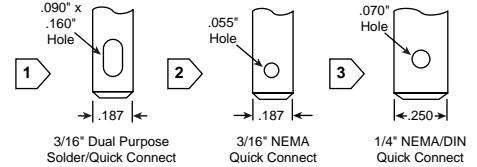
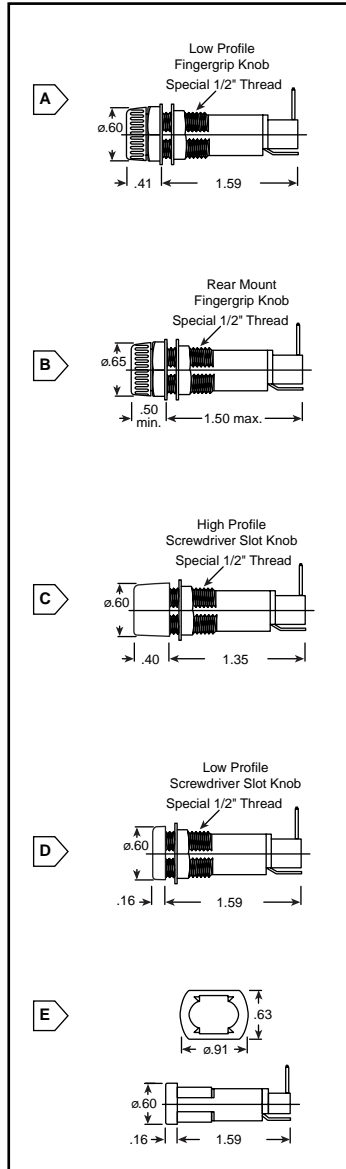
5mm x 20mm FUSES
Designed to IEC Standard

* The interrupting rating is the maximum current, at the rated voltage, that the fuse can safely open without the possibility of rupturing.



DIMENSIONS (IN.)

INTERNATIONAL SHOCK-SAFE FUSE HOLDERS



• Designed to IEC standard • Panel mount type



Littelfuse

216 Series Fast Acting Fuses

• 1500 amp interrupting rating *

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Type	Amp (A)	Volt (V)	Price Each		
				1	100	500
5765-16125	216.125	.125	250	1.02	.94	.81
5765-16200	216.200	.200	250	1.02	.94	.81
5765-16315	216.315	.315	250	1.02	.94	.81
5765-16400	216.400	.400	250	1.02	.94	.81
5765-16001	216.001	1	250	1.02	.94	.81
5765-16114	2161.25	1.25	250	1.02	.94	.81
5765-16002	216.002	2	250	1.02	.94	.81
5765-16316	2163.15	3.15	250	1.02	.94	.81
5765-16005	216.005	5	250	1.02	.94	.81
5765-16631	21606.3	6.3	250	1.02	.94	.81
5765-16010	216 010	10	250	1.16	1.06	.91

217 Series Fast Acting Fuses

• 35 amp interrupting rating *

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Type	Amp (A)	Volt (V)	Price Each		
				1	100	500
5765-17125	217.125	.125	250	1.18	1.08	.95
5765-17200	217.200	.200	250	.74	.67	.58
5765-17250	217.250	.250	250	.74	.67	.58
5765-17400	217.400	.400	250	.74	.67	.58
5765-17500	217.500	.500	250	.22	.20	.17
5765-17630	217.630	.630	250	.22	.20	.17
5765-17800	217.800	.800	250	.22	.20	.17
5765-17001	217 001	1	250	.22	.20	.17
5765-17114	2171.25	1.25	250	.22	.20	.17
5765-17161	21701.6	1.6	250	.22	.20	.17
5765-17002	217 002	2	250	.22	.20	.17
5765-17212	21702.5	2.5	250	.22	.20	.17
5765-17316	2173.15	3.15	250	.22	.20	.17
5765-17004	217 004	4	250	.22	.20	.17
5765-17005	217 005	5	250	.22	.20	.17
5765-17631	21706.3	6.3	250	.22	.20	.17
5765-17008	217 008	8	250	.89	.81	.69
5765-17010	217 010	10	250	.89	.81	.69

218 Series SLO-BLO® Fuses

• 35 amp interrupting rating *

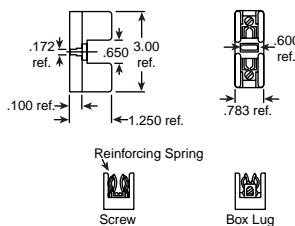
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Littelfuse Type	Amp (A)	Volt (V)	Price Each		
				1	100	500
5765-18063	218.063	.063	250	1.52	1.39	1.22
5765-18125	218.125	.125	250	.93	.85	.74
5765-18200	218.200	.200	250	.93	.85	.74
5765-18250	218.250	.250	250	.93	.85	.74
5765-18400	218.400	.400	250	.93	.85	.74
5765-18500	218.500	.500	250	.67	.62	.53
5765-18630	218.630	.630	250	.67	.62	.53
5765-18800	218.800	.800	250	.67	.62	.53
5765-18001	218 001	1	250	.67	.62	.53
5765-18114	2181.25	1.25	250	.67	.62	.53
5765-18161	21801.6	1.6	250	.67	.62	.53
5765-18002	218 002	2	250	.67	.62	.53
5765-18212	21802.5	2.5	250	.67	.62	.53
5765-18316	2183.15	3.15	250	.67	.62	.53
5765-18004	218 004	4	250	.67	.62	.53
5765-18005	218 005	5	250	.67	.62	.53
5765-18631	21806.3	6.3	250	.67	.62	.53
5765-18008	218 008	8	250	.93	.85	.73
5765-18010	218 010	10	250	.93	.85	.73

FUSE BLOCKS FOR 13/32" x 1 1/2" MIDGET FUSES

Features:

- 600 volt rating
- Inter-locking feature allows multiple pole capability
- Maximum wire size: box lug #8cu, screw #10cu



For 3AG Fuses, Right Angle Terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Term. Type	Size	Price Each		
				1	100	500
5767-345311	A	1	3/16"	1.89	1.68	1.52
5767-345313	A	2	3/16"	1.89	1.68	1.52
5767-345317	A	3	1/4"	2.01	1.79	1.62
5767-345321	B	1	3/16"	2.01	1.79	1.62
5767-345323	B	2	3/16"	2.01	1.79	1.62
5767-345327	B	3	1/4"	2.13	1.90	1.72
5767-345331	C	1	3/16"	1.89	1.68	1.52
5767-345333	C	2	3/16"	1.89	1.68	1.52
5767-345337	C	3	1/4"	2.01	1.79	1.62
5767-345341	D	1	3/16"	1.89	1.68	1.52
5767-345343	D	2	3/16"	1.89	1.68	1.52
5767-345347	D	3	1/4"	2.01	1.79	1.62
5767-345357	E	3	1/4"	2.13	1.90	1.72

For 5mm x 20mm Fuses, Right Angle Terminals

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Term. Type	Size	Price Each		
				1	100	500
5767-345511	A	1	3/16"	2.14	1.91	1.73
5767-345513	A	2	3/16"	2.14	1.91	1.73
5767-345517	A	3	1/4"	2.27	2.02	1.83
5767-345521	B	1	3/16"	2.27	2.02	1.83
5767-345523	B	2	3/16"	2.27	2.02	1.83
5767-345527	B	3	1/4"	2.39	2.13	1.93
5767-345531	C	1	3/16"	2.14	1.91	1.73
5767-345533	C	2	3/16"	2.14	1.91	1.73
5767-345537	C	3	1/4"	2.27	2.02	1.83
5767-345541	D	1	3/16"	2.14	1.91	1.73
5767-345543	D	2	3/16"	2.14	1.91	1.73
5767-345547	D	3	1/4"	2.27	2.02	1.83
5767-345553	E	2	3/16"	2.27	2.02	1.83
5767-345557	E	3	1/4"	2.39	2.13	1.93

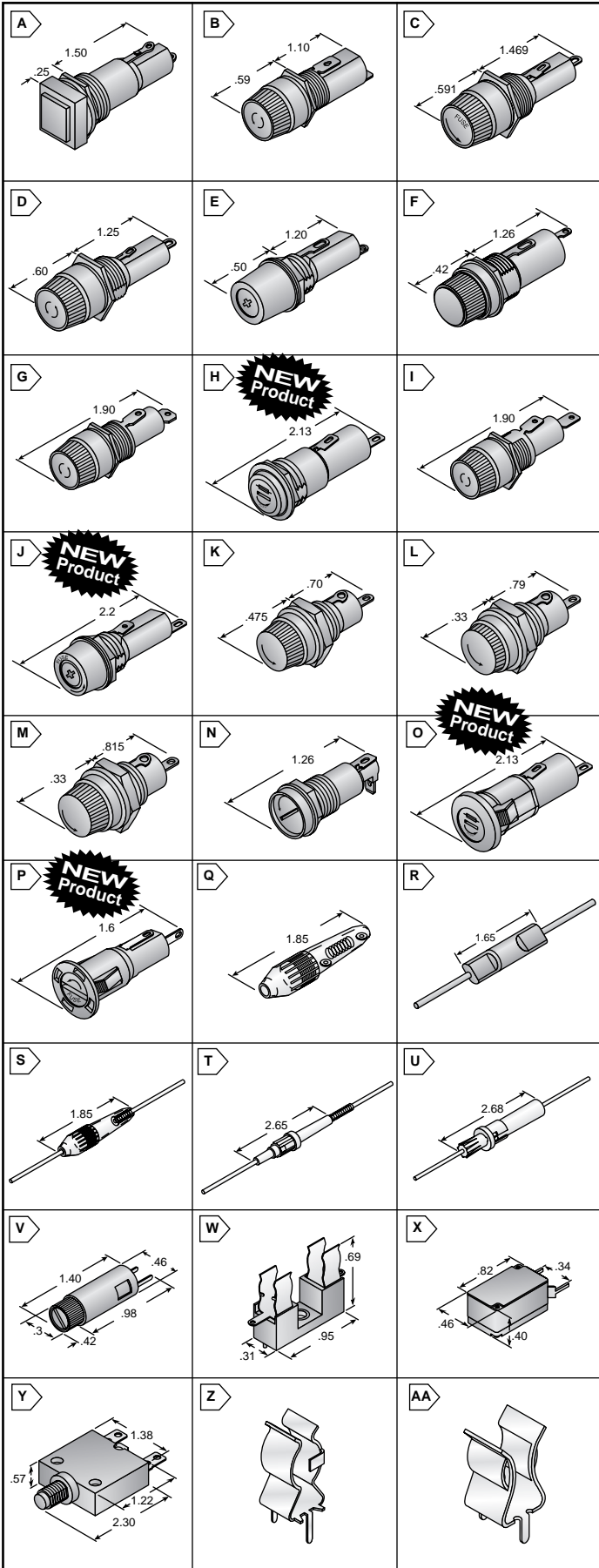
Box Lugs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Amp (A)	No. of Poles	Price Each		
			1	10	100
5767-63111	30	1	7.11	6.61	5.95
5767-63121	30	2	14.22	13.23	11.91
5767-63131	30	3	21.33	19.84	17.86

Screw Terminals

MOUSER STOCK NO.	Amp (A)	No. of Poles	Price Each		
			1	10	100
5767-63112	20	1	6.13	5.69	5.26
5767-63132	20	3	7.83	7.28	6.55



EAGLE PANEL MOUNT FUSE HOLDERS



Standard (for 1/4" x 1 1/4" Fuses)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each			
						1	100	500	1000
44FH111	A	White	6A @ 250VAC	E43163	-----	1.69	1.41	1.28	1.16
44FH112	A	Red	6A @ 250VAC	E43163	-----	1.69	1.41	1.28	1.16
44FH113	A	Black	6A @ 250VAC	E43163	-----	1.69	1.41	1.28	1.16
44FH030	B	Black	15A @ 250VAC	E46754	LR30024	2.06	1.72	1.56	1.42
441-FH001	C	Black	15A @ 250VAC	E46754	LR30024	1.39	1.16	1.06	.96
44FH033	D	Black	10A @ 250VAC	-----	-----	1.11	.85	.78	.71
441-FH032	E	Black	10A @ 250VAC	E46754	LR30024	2.02	1.68	1.53	1.39
441-R3-13	F	Black	10A @ 250VAC	E72169	LR46728X	1.49	1.22	1.09	.99
441-R314A	G	Black	10A @ 250VAC	E72169	LR46728	1.40	1.23	1.13	1.04
441-R344A	H	Black	15A @ 250VAC	E72169	-----	1.30	1.08	.98	.89

Quick-Connect (for 1/4" x 1 1/4" Fuses)

• .250" faston terminal

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each			
						1	100	500	1000
441-R314C	I	Black	10A @ 250VAC	E72169	LR46728	1.46	1.38	1.27	1.14
441-R353	J	Black	20A @ 250VAC	E72169	-----	1.73	1.44	1.31	1.19

Miniature (for 5mm x 20mm Fuses)

• .187" faston terminal

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each			
						1	100	500	1000
441-FH003	K	Black	3A @ 250VAC	-----	-----	1.85	1.55	1.40	1.28
441-FH043	L	Black	10A @ 250VAC	E46754(S)	-----	1.86	1.56	1.42	1.35
441-R3-12	M	Black	10A @ 250VAC	E72169	LR46728X	1.69	1.43	1.29	1.23
441-0201	N	Black	10A @ 250VAC	E89872	LR59229	2.00	1.67	1.51	1.38
441-R344B	H	Black	15A @ 250VAC	E72169	-----	1.30	1.08	.98	.89

Snap-In Mounting (for 1/4" x 1 1/4" and 5mm x 20mm Fuses)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Rating	UL File No.	CSA File No.	Price Each			
						1	100	500	1000
441-R349A	O	Black	10A @ 250VAC	E72169	-----	1.30	1.08	.98	.89
441-R354	P	Black	6.3A @ 250VAC	E72169	-----	1.30	1.08	.98	.89

EAGLE IN-LINE FUSE HOLDERS

Standard

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Lead Length (In.)	Price Each			
				1	100	500	1000
44FH299	Q	1/4" x 1 1/4" Clear, without leads	---	1.06	.82	.74	.67
44FH018	R	1/4" x 1 1/4" Black, 100MΩ resistance	18	2.86	2.39	2.17	1.97
44FH019	S	1/4" x 1 1/4" Clear	18	2.71	2.26	2.06	1.87

Universal

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Lead Length (In.)	Price Each			
				1	100	500	1000
44FH497	T	1/4" x 1", 1/4" x 1 1/4", or 5mm x 20mm white, with black lead	18	1.41	1.17	1.06	.97
44FH498	T	1/4" x 1", 1/4" x 1 1/4", or 5mm x 20mm white, with red lead	18	1.41	1.17	1.06	.97

Holder Assembly

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Lead Length (In.)	Price Each			
				1	100	500	1000
44FH499	U	1/4" x 1 1/4" white, with red lead	18	1.33	1.11	1.00	.91

EAGLE FUSE HOLDERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Contact Plating	Price Each			
				1	100	500	1000
441-R324	V	Black plastic PC Mount (for midget fuses) UL #E72169, 10A @ 125V	Nickel	1.12	1.02	.91	.84
441-4454	W	Midget base for 20mm x 5mm fuses	Nickel	.93	.71	.65	.59

EAGLE CIRCUIT BREAKERS

• Triggered by current flow heating

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Rating	UL File No.	Price Each			
					1	100	500	1000
442-76-0100	X	Thermal, auto reset	1A@250VAC/24VDC	---	3.45	3.02	2.59	2.16
442-5000-15	Y	Thermal, manual reset	15A@125VAC	E95802	3.91	3.40	3.23	3.10

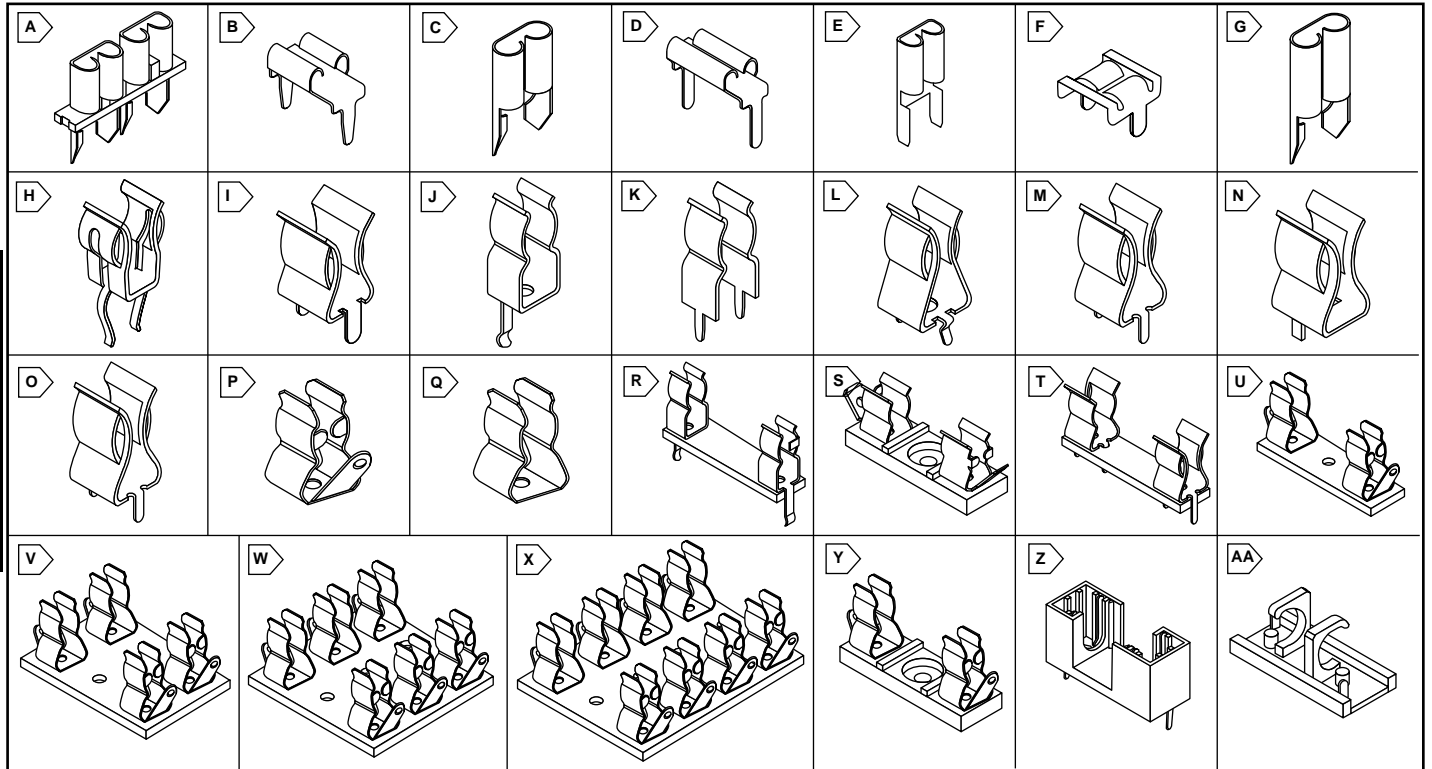
EAGLE FUSE CLIPS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Description	Price Each			
				1	100	500	1000
44FH052	Z	5mm	Silver plated brass	.11	.08	.07	.06
44FH053	AA	1/4"	Nickel plated	.19	.16	.15	.14

Circuit Protection

Keystone



KEYSTONE FUSE HOLDERS AND CLIPS

PC Fuse Holders and Clips

- Auto blade holders and clips are compatible with Littelfuse
- Thru hole PC mountable
- .205" x .025" standard and .110" x .032" mini blade fuses, suitable for 15 amp applications
- .312" x .032" maxi blade fuses, suitable for 30 amp applications



MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Mount Type	Fuse Size	Description	Price Each				
					1	100	500	1000	2000
534 - 3522-2	A	Vertical	.205" x .025"	Standard blade fuse holder	.72	.36	.33	.27	.24
534 - 3550	B	Horizontal	.205" x .025"	Standard blade horiz. clip	.52	.26	.24	.13	.12
534 - 3522	C	Vertical	.205" x .025"	Standard blade vertical clip	.18	.09	.08	.06	.05
534 - 3544-2	A	Vertical	.110" x .032"	Mini blade fuse holder	.76	.38	.35	.29	.26
534 - 3549	D	Horizontal	.110" x .032"	Mini blade horizontal clip	.50	.25	.23	.13	.12
534 - 3544	E	Vertical	.110" x .032"	Mini blade vertical clip	.18	.09	.08	.06	.05
534 - 3564	F	Vertical	.110" x .032"	Mini blade vertical clip	.18	.09	.08	.06	.05
534 - 3555	G	Vertical	.312" x .032"	Maxi blade vertical clip	.20	.10	.08	.07	.06

PC Fuse Clips

- Snap-fit and press fit designs for wave soldering
- Low profile space saving design
- Economical and easy to assemble
- Low contact resistance
- Rivet mount design
- Rivet mount design with solder lugs



MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Mount Type	Fuse Size	Description	Price Each				
					1	100	500	1000	2000
534 - 3521	H	Press	5mm	.016" Tinned brass	.14	.07	.06	.05	.04
534 - 3517	I	Press	5mm	.02" Tinned brass	.12	.07	.06	.05	.04
534 - 3520	J	Rivet	5mm	.016" Tinned brass	.12	.07	.06	.05	.04
534 - 3519	K	Press	5mm	.016" Tinned brass	.12	.07	.06	.05	.04
534 - 3513	L	Snap-In	1/4"	.02" Tinned brass	.19	.10	.08	.07	.06
534 - 3529	M	Press	1/4"	.02" Tinned brass	.12	.07	.06	.05	.04
534 - 3530	N	Press	1/4"	.02" Tinned brass	.25	.12	.10	.08	.07
534 - 3515	O	Snap-In	1/4"	.02" Tinned brass	.16	.08	.06	.05	.04
534 - 3535	P	Rivet	1/4"	.02" Tinned brass	.27	.14	.12	.08	.07
534 - 3531	Q	Rivet	1/4"	.02" Tinned brass	.17	.09	.07	.06	.05

KEYSTONE MOLDED BASE FUSE BLOCKS



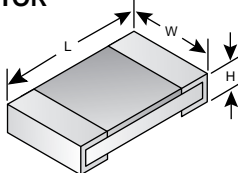
MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	No. of Fuses	Fuse Size	Description	Price Each				
					1	100	500	1000	2000
534 - 3527	R	1	5mm x 20mm	Snap-fit PCB fuse holder	1.02	.51	.43	.35	.30
534 - 4243	S	1	1/4" x 1 1/4"	Fuse holder w/.250" quick disc.	3.06	1.53	1.33	.82	.70
534 - 4245	T	1	1/4" x 1 1/4"	PCB fuse holder	1.09	.55	.45	.37	.32
534 - 3536	U	1	1/4" x 1 1/4"	Fuse holder for 1 fuse	1.28	.64	.53	.44	.38
534 - 3537	V	2	1/4" x 1 1/4"	Fuse holder for 2 fuses	2.28	1.14	.94	.78	.62
534 - 3538	W	3	1/4" x 1 1/4"	Fuse holder for 3 fuses	3.22	1.61	1.39	1.12	.94
534 - 3539	X	4	1/4" x 1 1/4"	Fuse holder for 4 fuses	4.24	2.12	1.83	1.47	1.15
534 - 3523	Y	1	1/4" x 1 1/4"	Fuse holder UL 94V-0	1.40	.70	.59	.49	.41
534 - 4527	Z	1	5mm x 20mm	Low profile pcb fuse holder	.63	.31	.29	.16	.14
534 - 4527C	AA	N/A	----	Cover for 534-4527	.26	.13	.12	.07	.06

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

TANFILM PRECISION CHIP RESISTOR

Features:

- Available in 1206, 0805
- Passivated TaNfilm element
- Wrap-around termination
- Temperature Coefficient = 25ppm
- Tolerance= 0.1%
- Leach resistant nickel barrier termination



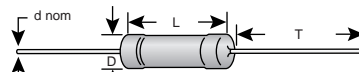
MOUSER STOCK NO.	Range of Values in (Ω) See Table	Price Each			
		1	50	100	500
66-PFC08C-value-B	10(Ω) to 267K	.74	.46	.37	.35
66-PFC12C-value-B	10(Ω) to 1Meg	.74	.46	.37	.35

Size	DIMENSIONS (IN.)			
	L	W	H	
0805	.081 ± .005	.050 ± .005	.020 ± .006	
1206	.126 ± .006	.063 ± .005	.024 ± .004	

PRECISION METAL FILM RESISTORS

Features:

- Tolerance= 0.1%
- Temperature Coefficient = 25ppm
- Power Rating = 70° C, 1/4 watt



DIMENSIONS (mm)

Type	L max	D max	T min	d nom
RC55	7.2	2.5	30	0.6

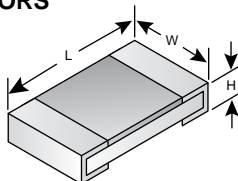
MOUSER STOCK NO.	Range of Values in (Ω) See Table	Price Each			
		1	50	100	500
66-RC55-D-Value	10(Ω) - 249K	.96	.78	.64	.47
66-RC55-D-Value	255K -1M	1.08	.90	.72	.54

E-96 Table of Values in Ω																					
10	17.4	30.1	52.3	90.9	158	274	475	825	1.43K	2.49K	4.32K	7.5K	13K	22.6K	39.2K	68.1K	118K	205K	357K	619K	
10.2	17.8	30.9	53.6	93.1	162	280	487	845	1.47K	2.55K	4.42K	7.68K	13.3K	23.2K	40.2K	69.8K	121K	210K	365K	634K	
10.5	18.2	31.6	54.9	95.3	165	287	499	866	1.5K	2.61K	4.53K	7.87K	13.7K	23.7K	41.2K	71.5K	124K	215K	374K	649K	
10.7	18.7	32.4	56.2	97.6	169	294	511	887	1.54K	2.67K	4.64K	8.06K	14K	24.3K	42.2K	73.2K	127K	221K	383K	665K	
11	19.1	33.2	57.6	100	174	301	523	909	1.58K	2.74K	4.75K	8.25K	14.3K	24.9K	43.2K	75K	130K	226K	392K	681K	
11.3	19.8	34	59	102	178	309	536	931	1.62K	2.8K	4.87K	8.45K	14.7K	25.5K	44.2K	76.8K	133K	232K	402K	698K	
11.5	20	34.8	60.4	105	182	316	549	953	1.65K	2.87K	4.99K	8.66K	15K	26.1K	45.3K	78.7K	137K	237K	412K	715K	
11.8	20.5	35.7	61.9	107	187	324	562	976	1.69K	2.94K	5.11K	8.87K	15.4K	26.7K	46.4K	80.6K	140K	243K	422K	732K	
12.1	21	36.5	63.4	110	191	332	576	1.0K	1.74K	3.01K	5.23K	9.09K	15.8K	27.4K	47.5K	82.5K	143K	249K	432K	750K	
12.4	21.5	37.4	64.9	113	196	340	590	1.02K	1.78K	3.09K	5.36K	9.31K	16.2K	28K	48.7K	84.5K	147K	255K	442K	768K	
12.7	22.1	38.3	66.5	115	200	348	604	1.05K	1.82K	3.16K	5.49K	9.53K	16.5K	28.7K	49.9K	86.6K	150K	261K	453K	787K	
13	22.6	39.2	68.1	118	205	357	619	1.07K	1.87K	3.24K	5.62K	9.76K	16.9K	29.4K	51.1K	88.7K	154K	267K	464K	806K	
13.3	23.2	40.2	69.8	121	210	365	634	1.1K	1.91K	3.32K	5.76K	10K	17.4K	30.1K	52.3K	90.9K	158K	274K	475K	825K	
13.7	23.7	41.2	71.5	124	215	374	649	1.13K	1.96K	3.4K	5.9K	10.2K	17.8K	30.9K	53.6K	93.1K	162K	280K	487K	845K	
14	24.3	42.2	73.2	127	221	383	665	1.15K	2.0K	3.48K	6.04K	10.5K	18.2K	31.6K	54.9K	95.3K	165K	287K	499K	866K	
14.3	24.9	43.2	75	130	226	392	681	1.18K	2.05K	3.57K	6.19K	10.7K	18.7K	32.4K	56.2K	97.6K	169K	294K	511K	887K	
14.7	25.5	44.2	76.8	133	232	402	698	1.21K	2.1K	3.65K	6.34K	11K	19.1K	33.2K	57.6K	100K	174K	301K	523K	909K	
15	26.1	45.3	78.7	137	237	412	715	1.24K	2.15K	3.74K	6.49K	11.3K	19.6K	34K	59K	102K	178K	309K	536K	931K	
15.4	26.7	46.4	80.6	140	243	422	732	1.27K	2.21K	3.83K	6.65K	11.5K	20K	34.8K	60.4K	105K	182K	316K	549K	953K	
15.8	27.4	47.5	82.5	143	249	432	750	1.3K	2.26K	3.92K	6.81K	11.8K	20.5K	35.7K	61.9K	107K	187K	324K	562K	976K	
16.2	28	48.7	84.5	147	255	442	768	1.33K	2.32K	4.02K	6.98K	12.1K	21K	36.5K	63.4K	110K	191K	332K	576K	1.0M	
16.5	28.7	49.9	86.6	150	261	453	787	1.37K	2.37K	4.12K	7.15K	12.4K	21.5K	37.4K	64.9K	113K	196K	340K	590K		
16.9	29.4	51.1	88.7	154	267	464	806	1.4K	2.43K	4.2K	7.32K	12.7K	22.1K	38.3K	66.5K	115K	200K	348K	604K		

LOW VALUE FLAT CHIP RESISTORS

Features:

- Resistance values down to .003 ohms
- Leach resistant solder-plated cooper wrap-around termination
- Low inductance-less than 0.2nH



DIMENSIONS (IN.)

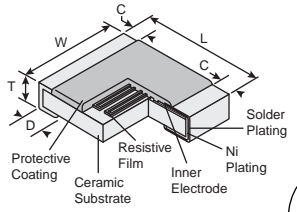
Size	L	W	H
1206	.126 ± .012	.064 ± .008	.024 ± .004
2010	.206 ± .015	.104 ± .010	.029 ± .004
2512	.256 ± .015	.128 ± .010	.029 ± .004

MOUSER STOCK NO.	Mfr.	Mfr. Part Number	Ω Value	Watt	Case Size	Tol.	Price Each			Reel Qty. 1000 Each Price
							1	100	500	
66 - LRF1206-01-R012-F			0.012	1/2	1206	1%	.60	.50	.45	.30
66 - LRF1206-01-R015-F			0.015	1/2	1206	1%	.60	.50	.45	.30
66 - LRF1206-01-R025-F			0.025	1/2	1206	1%	.60	.50	.45	.30
66 - LRF1206-01-R020-F			0.02	1/2	1206	1%	.60	.50	.45	.30
66 - LRF1206-01-R033-F			0.033	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R030-F			0.03	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R040-F			0.04	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R050-F			0.05	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R060-F			0.06	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R080-F			0.08	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R100-F			0.1	1/2	1206	1%	.54	.45	.41	.27
66 - LRF1206-01-R150-F			0.15	1/2	1206	1%	.54	.45	.41	.27
66 - LRF2010-01-R005-F			0.005	1	2010	1%	.96	.79	.72	.48
66 - LRF2010-01-R007-F			0.007	1	2010	1%	.96	.79	.72	.48
66 - LRF2010-01-R008-F			0.008	1	2010	1%	.96	.79	.72	.48
66 - LRF2010-01-R012-F			0.012	1	2010	1%	.64	.53	.48	.32
66 - LRF2010-01-R015-F			0.015	1	2010	1%	.64	.53	.48	.32
66 - LRF2010-01-R018-F			0.018	1	2010	1%	.64	.53	.48	.32
66 - LRF2010-01-R010-F			0.01	1	2010	1%	.64	.53	.48	.32
66 - LRF2010-01-R025-F			0.025	1	2010	1%	.64	.53	.48	.32
66 - LRF2010-01-R020-F			0.02	1	2010	1%	.64	.53	.48	.32
66 - LRF2010-01-R033-F			0.033	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R035-F			0.035	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R030-F			0.03	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R040-F			0.04	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R058-F			0.058	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R050-F			0.05	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R068-F			0.068	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R075-F			0.075	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R100-F			0.1	1	2010	1%	.58	.48	.44	.29
66 - LRF2010-01-R120-F			0.12	1	2010	1%	.58	.48	.44	.29
66 - LRF2512-01-R027-F			0.027	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R030-F			0.03	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R040-F			0.04	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R056-F			0.056	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R050-F			0.05	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R062-F			0.062	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R068-F			0.068	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R075-F			0.075	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R080-F			0.08	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R100-F			0.1	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R120-F			0.12	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R140-F			0.14	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R150-F			0.15	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R200-F			0.2	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R220-F			0.22	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R250-F			0.25	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R300-F			0.3	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R330-F			0.33	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R400-F			0.4	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R470-F			0.47	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R500-F			0.5	2	2512	1%	.60	.50	.45	.30
66 - LRF2512-01-R005-F			0.005	2	2512	1%	.96	.79	.72	.48
66 - LRF2512-01-R006-F			0.006	2	2512	1%	.96	.79	.72	.48
66 - LRF2512-01-R007-F			0.007	2	2512	1%	.96	.79	.72	.48
66 - LRF2512-01-R009-F			0.009	2	2512	1%	.96	.79	.72	.48
66 - LRF2512-01-R012-F			0.012	2	2512	1%	.66	.54	.50	.33
66 - LRF2512-01-R015-F										

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

KOA RN73 ULTRA PRECISION, 0.1% TOLERANCE THIN FILM CHIP RESISTORS

- Features:**
- Nickel chromium thin film resistor element
 - Anti-leaching nickel barrier terminations
 - 90/10 solder plated terminations, standard
 - Meets or exceeds EIA 576, MIL-R-55342F
 - Marking: Four-digit, distinctive color identifiers (Only E-24 values are marked on 1J)



The global electronics marketplace, specific requests from our customer base, and KOA's implementation of a global computer and ERP system has directed this change to a global part numbering system.

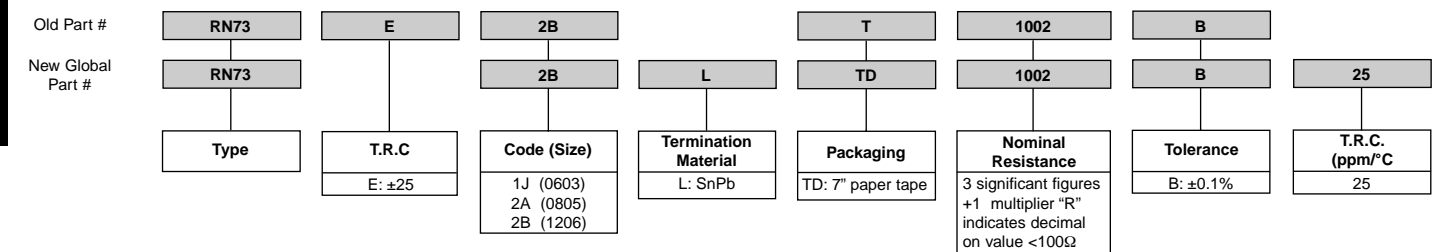
Available in various tolerances, case sizes, and 10PPM and 50PPM. Contact a Mouser Sales Representative for more information.



Type (Inch Size Code)	Dimensions In. and (mm)				
	L	W	c	d	t
0603 (1J)	.063±.008 (1.6±0.2)	.031±.004 (0.8±0.1)	.012±.004 (0.3±0.1)	.012±.004 (0.3±0.1)	.018±.004 (0.45±0.1)
0805 (2A)	.079±.008 (2.0±0.2)	.049±.004 (1.25±0.1)	.016±.008 (0.4±0.2)	.012±.008 -.004 (0.3 +0.2 -0.1)	.02±.004 (0.5±0.1)
1206 (2B)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.02±.012 (0.5±0.3)	.016±.008 -.004 (0.4 +0.2 -0.1)	.024±.004 (0.6±0.1)

ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.



0603 Case Size 1/16W

MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
660	- RN731JLTD1000B25	100	0.1%	.58	.43	.29
660	- RN731JLTD1960B25	196	0.1%	.58	.43	.29
660	- RN731JLTD2000B25	200	0.1%	.58	.43	.29
660	- RN731JLTD2050B25	205	0.1%	.58	.43	.29
660	- RN731JLTD2370B50	237	0.1%	.58	.43	.29
660	- RN731JLTD3010B25	301	0.1%	.58	.43	.29
660	- RN731JLTD4990B25	499	0.1%	.58	.43	.29
660	- RN731JLTD8250B25	825	0.1%	.58	.43	.29
660	- RN731JLTD9530B25	953	0.1%	.58	.43	.29
660	- RN731JLTD1241B25	1.24K	0.1%	.58	.43	.29
660	- RN731JLTD1201B25	1.2K	0.1%	.58	.43	.29
660	- RN731JLTD1691B25	1.69K	0.1%	.58	.43	.29
660	- RN731JLTD1022B25	10.2K	0.1%	.58	.43	.29
660	- RN731JLTD1002B25	10K	0.1%	.58	.43	.29
660	- RN731JLTD1182B25	11.8K	0.1%	.58	.43	.29
660	- RN731JLTD1212B25	12.1K	0.1%	.58	.43	.29
660	- RN731JLTD1242B50	12.4K	0.1%	.58	.43	.29
660	- RN731JLTD1202B25	12K	0.1%	.58	.43	.29
660	- RN731JLTD1332B25	13.3K	0.1%	.58	.43	.29
660	- RN731JLTD1372B25	13.7K	0.1%	.58	.43	.29
660	- RN731JLTD1302B25	13K	0.1%	.58	.43	.29
660	- RN731JLTD1001B25	1K	0.1%	.58	.43	.29
660	- RN731JLTD2001B25	2K	0.1%	.58	.43	.29
660	- RN731JLTD2371B50	2.37K	0.1%	.58	.43	.29
660	- RN731JLTD2491B25	2.49K	0.1%	.58	.43	.29
660	- RN731JLTD2671B25	2.67K	0.1%	.58	.43	.29
660	- RN731JLTD2741B25	2.74K	0.1%	.58	.43	.29
660	- RN731JLTD3791B50	3.79K	0.1%	.58	.43	.29
660	- RN731JLTD3881B25	3.88K	0.1%	.58	.43	.29
660	- RN731JLTD4371B25	4.37K	0.1%	.58	.43	.29
660	- RN731JLTD4751B25	4.75K	0.1%	.58	.43	.29
660	- RN731JLTD4701B25	4.7K	0.1%	.58	.43	.29
660	- RN731JLTD4871B50	4.87K	0.1%	.58	.43	.29
660	- RN731JLTD4991B25	4.99K	0.1%	.58	.43	.29
660	- RN731JLTD5231B25	5.23K	0.1%	.58	.43	.29
660	- RN731JLTD6041B25	6.04K	0.1%	.58	.43	.29
660	- RN731JLTD6491B25	6.49K	0.1%	.58	.43	.29
660	- RN731JLTD7501B25	7.5K	0.1%	.58	.43	.29
660	- RN731JLTD7871B50	7.87K	0.1%	.58	.43	.29
660	- RN731JLTD8761B50	8.76K	0.1%	.58	.43	.29
660	- RN731JLTD9201B25	9.2K	0.1%	.58	.43	.29
660	- RN731JLTD9881B25	9.88K	0.1%	.58	.43	.29
660	- RN731JLTD2212B25	22.1K	0.1%	.58	.43	.29
660	- RN731JLTD2492B25	24.9K	0.1%	.58	.43	.29
660	- RN731JLTD2672B25	26.7K	0.1%	.58	.43	.29
660	- RN731JLTD3402B50	34K	0.1%	.58	.43	.29

MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
0805 Case Size 1/10W (Cont.)						
660	- RN732ALTD71R5B25	71.5	0.1%	.54	.40	.27
660	- RN732ALTD73R2B25	73.2	0.1%	.54	.40	.27
660	- RN732ALTD75R0B25	75	0.1%	.54	.40	.27
660	- RN732ALTD82R5B25	82.5	0.1%	.54	.40	.27
660	- RN732ALTD1000B25	100	0.1%	.54	.40	.27
660	- RN732ALTD1400B25	140	0.1%	.54	.40	.27
660	- RN732ALTD1500B25	150	0.1%	.54	.40	.27
660	- RN732ALTD1820B25	182	0.1%	.54	.40	.27
660	- RN732ALTD1960B25	196	0.1%	.54	.40	.27
660	- RN732ALTD2000B25	200	0.1%	.54	.40	.27
660	- RN732ALTD2490B25	249	0.1%	.54	.40	.27
660	- RN732ALTD2870B25	287	0.1%	.54	.40	.27
660	- RN732ALTD3320B25	332	0.1%	.54	.40	.27
660	- RN732ALTD3880B25	388	0.1%	.54	.40	.27
660	- RN732ALTD3900B25	390	0.1%	.54	.40	.27
660	- RN732ALTD4120B25	412	0.1%	.54	.40	.27
660	- RN732ALTD4320B25	432	0.1%	.54	.40	.27
660	- RN732ALTD4420B25	442	0.1%	.54	.40	.27
660	- RN732ALTD4990B25	499	0.1%	.54	.40	.27
660	- RN732ALTD5600B25	560	0.1%	.54	.40	.27
660	- RN732ALTD6040B25	604	0.1%	.54	.40	.27
660	- RN732ALTD6190B25	619	0.1%	.54	.40	.27
660	- RN732ALTD7500B25	750	0.1%	.54	.40	.27
660	- RN732ALTD7870B25	787	0.1%	.54	.40	.27
660	- RN732ALTD8250B25	825	0.1%	.54	.40	.27
660	- RN732ALTD8870B25	887	0.1%	.54	.40	.27
660	- RN732ALTD1151B25	1.15K	0.1%	.54	.40	.27
660	- RN732ALTD1211B25	1.21K	0.1%	.54	.40	.27
660	- RN732ALTD1241B25	1.24K	0.1%	.54	.40	.27
660	- RN732ALTD1401B25	1.4K	0.1%	.54	.40	.27
660	- RN732ALTD1501B25	1.5K	0.1%	.54	.40	.27
660	- RN732ALTD1781B25	1.78K	0.1%	.54	.40	.27
660	- RN732ALTD1871B25	1.87K	0.1%	.54	.40	.27
660	- RN732ALTD1961B25	1.96K	0.1%	.54	.40	.27
660	- RN732ALTD3011B25	3.01K	0.1%	.54	.40	.27
660	- RN732ALTD1052B25	10.5K	0.1%	.54	.40	.27
660	- RN732ALTD1072B25	10.7K	0.1%	.54	.40	.27
660	- RN732ALTD1092B25	10.9K	0.1%	.54	.40	.27
660	- RN732ALTD1003B25	100K	0.1%	.54	.40	.27
660	- RN732ALTD1002B25	10K	0.1%	.54	.40	.27
660	- RN732ALTD1132B25	11.3K	0.1%	.54	.40	.27
660	- RN732ALTD1152B25	11.5K	0.1%	.54	.40	.27
660	- RN732ALTD1182B25	11.8K	0.1%	.54	.40	.27
660	- RN732ALTD1212B25	12.1K	0.1%	.54	.40	.27
660	- RN732ALTD1242B25	12.4K	0.1%	.54	.40	.27
660	- RN732ALTD1332B25	13.3K	0.1%	.54	.40	.27
660	- RN732ALTD1352B25	13.5K	0.1%	.54	.40	.27
660	- RN732ALTD1432B25	14.3K	0.1%	.54	.40	.27
660	- RN732ALTD1402B25	14K	0.1%	.54	.40	.27
660	- RN732ALTD1502B25	15K	0.1%	.54	.40	.27
660	- RN732ALTD1652B25	16.5K	0.1%	.54	.40	.27

MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
0805 Case Size 1/10W (Cont.)						
660	- RN732ALTD1692B25	16.9K	0.1%	.54	.40	.27
660	- RN732ALTD1742B25	17.4K	0.1%	.54	.40	.27
660	- RN732ALTD1782B25	17.8K	0.1%	.54	.40	.27
660	- RN732ALTD1822B25	18.2K	0.1%	.54	.40	.27
660	- RN732ALTD1802B25	18K	0.1%	.54	.40	.27
660	- RN732ALTD1912B25	19.1K	0.1%	.54	.40	.27
660	- RN732ALTD1001B25	1K	0.1%	.54	.40	.27
660	- RN732ALTD2051B25	2.05K	0.1%	.54	.40	.27
660	- RN732ALTD2261B25	2.26K	0.1%	.54	.40	.27
660	- RN732ALTD2311B25	2.32K	0.1%	.54	.40	.27
660	- RN732ALTD2491B25	2.49K	0.1%	.54	.40	.27
660	- RN732ALTD2671B25	2.67K	0.1%	.54	.40	.27
660	- RN732ALTD2741B25	2.74K	0.1%	.54	.40	.27
660	- RN732ALTD2841B25	2.84K	0.1%	.54	.40	.27
660	- RN732ALTD2871B25	2.87K	0.1%	.54	.40	.27
660	- RN732ALTD2801B25	2.8K	0.1%	.54	.40	.27
660	- RN732ALTD2941B25	2.94K	0.1%	.54	.40	.27
660	- RN732ALTD2052B25	20.5K	0.1%	.54	.40	.27
660	- RN732ALTD2262B25	22.6K	0.1%	.54	.40	.27
660	- RN732ALTD2322B25	23.2K	0.1%	.54	.40	.27
660	- RN732ALTD2372B25	23.7K	0.1%	.54	.40	.27
660	- RN732ALTD2432B25	24.3K	0.1%	.54	.40	.27
660	- RN732ALTD2492B25	24.9K	0.1%	.54	.40	.27
660	- RN732ALTD2552B25	25.5K	0.1%	.54	.40	.27
660	- RN732ALTD2612B25	26.1K	0.1%	.54	.40	.27
660	- RN732ALTD2672B25	26.7K	0.1%	.54	.40	.27
660	- RN732ALTD2742B25	27.4K	0.1%	.54	.40	.27
660	- RN732ALTD2942B25	29.4K	0.1%	.54	.40	.27
660	- RN732ALTD2001B25	2K	0.1%	.54	.40	.27
660	- RN732ALTD3011B25	3.01K	0.1%	.54	.40	.27
660	- RN732ALTD3121B25	3.12K	0.1%	.54	.40	.27
660	- RN732ALTD3741B25	3.74K	0.1%	.54	.40	.27
660	- RN732ALTD3831B25	3.83K	0.1%	.54	.40	.27
660	- RN732ALTD3921B25	3.92K	0.1%	.54	.40	.27
660	- RN732ALTD3012B25	30.1K	0.1%	.54	.40	.27
660	- RN732ALTD3092B25	30.9K	0.1%	.54	.40	.27
660	- RN732ALTD3002B25	30K	0.1%	.54	.40	.27
660	- RN732ALTD3162B25	31.6K	0.1%	.54	.40	.27
660	- RN732ALTD3322B25	33.2K	0.1%	.54	.40	.27
660	- RN732ALTD3482B25	34.8K	0.1%	.54	.40	.27
660	- RN732ALTD3402B25	34K	0.1%	.54	.40	.27
660	- RN732ALTD3652B25	36.5K	0.1%	.54	.40	.27
660	- RN732ALTD3922B25	39.2K	0.1%	.54	.40	.27
660	- RN732ALTD3001B25	3K	0.1%	.54	.40	.27
660	- RN732ALTD4121B25	4.12K	0.1%	.54	.40	.27
660	- RN732ALTD4421B25	4.42K	0.1%	.54	.40	.27

0805 Case Size 1/10W

MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
660	- RN732ALTD56R2B25	56.2	0.1%	.54	.40	.27

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

SMD Resistors

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

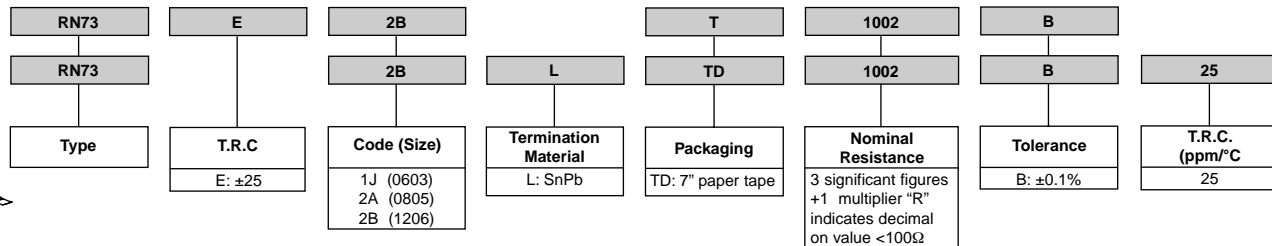
RN73 ULTRA PRECISION 0.1% THIN FILM CHIP RESISTORS

Old Part #

New Global Part #



5000 Piece Reels



0805 Case Size 1/10W (Cont.)

Quantities less than full reel will be cut tape

MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
660	RN732ALTD4531B25	4.53K	0.1%	.54	.40	.27
660	RN732ALTD4751B25	4.75K	0.1%	.54	.40	.27
660	RN732ALTD4701B25	4.7K	0.1%	.54	.40	.27
660	RN732ALTD4871B25	4.87K	0.1%	.54	.40	.27
660	RN732ALTD4991B25	4.99K	0.1%	.54	.40	.27
660	RN732ALTD4022B25	40.2K	0.1%	.54	.40	.27
660	RN732ALTD4222B25	42.2K	0.1%	.54	.40	.27
660	RN732ALTD4322B25	43.2K	0.1%	.54	.40	.27
660	RN732ALTD4422B25	44.2K	0.1%	.54	.40	.27
660	RN732ALTD4752B25	47.5K	0.1%	.54	.40	.27
660	RN732ALTD4702B25	47K	0.1%	.54	.40	.27
660	RN732ALTD4872B25	48.7K	0.1%	.54	.40	.27
660	RN732ALTD4992B25	49.9K	0.1%	.54	.40	.27
660	RN732ALTD511B25	5.11K	0.1%	.54	.40	.27
660	RN732ALTD5361B25	5.36K	0.1%	.54	.40	.27
660	RN732ALTD5761B25	5.76K	0.1%	.54	.40	.27
660	RN732ALTD5112B25	51.1K	0.1%	.54	.40	.27
660	RN732ALTD5232B25	52.3K	0.1%	.54	.40	.27
660	RN732ALTD5622B25	56.2K	0.1%	.54	.40	.27
660	RN732ALTD5762B25	57.6K	0.1%	.54	.40	.27
660	RN732ALTD5902B25	59K	0.1%	.54	.40	.27
660	RN732ALTD6041B25	6.04K	0.1%	.54	.40	.27
660	RN732ALTD6191B25	6.19K	0.1%	.54	.40	.27
660	RN732ALTD6261B25	6.26K	0.1%	.54	.40	.27
660	RN732ALTD6201B25	6.2K	0.1%	.54	.40	.27
660	RN732ALTD6811B25	6.81K	0.1%	.54	.40	.27
660	RN732ALTD6981B25	6.98K	0.1%	.54	.40	.27
660	RN732ALTD6192B25	61.9K	0.1%	.54	.40	.27
660	RN732ALTD6202B25	62K	0.1%	.54	.40	.27
660	RN732ALTD6342B25	63.4K	0.1%	.54	.40	.27
660	RN732ALTD6652B25	66.5K	0.1%	.54	.40	.27
660	RN732ALTD6812B25	68.1K	0.1%	.54	.40	.27
660	RN732ALTD7501B25	7.5K	0.1%	.54	.40	.27
660	RN732ALTD7681B25	7.68K	0.1%	.54	.40	.27
660	RN732ALTD7871B25	7.87K	0.1%	.54	.40	.27
660	RN732ALTD7322B25	73.2K	0.1%	.54	.40	.27
660	RN732ALTD7502B25	75K	0.1%	.54	.40	.27
660	RN732ALTD7682B25	76.8K	0.1%	.54	.40	.27
660	RN732ALTD7962B25	79.6K	0.1%	.54	.40	.27
660	RN732ALTD8061B25	8.06K	0.1%	.54	.40	.27
660	RN732ALTD8251B25	8.25K	0.1%	.54	.40	.27
660	RN732ALTD8661B25	8.66K	0.1%	.54	.40	.27
660	RN732ALTD8871B25	8.87K	0.1%	.54	.40	.27
660	RN732ALTD8252B25	82.5K	0.1%	.54	.40	.27
660	RN732ALTD8452B25	84.5K	0.1%	.54	.40	.27
660	RN732ALTD8662B25	86.6K	0.1%	.54	.40	.27
660	RN732ALTD9091B25	9.09K	0.1%	.54	.40	.27
660	RN732ALTD9311B25	9.31K	0.1%	.54	.40	.27
660	RN732ALTD9092B25	90.9K	0.1%	.54	.40	.27
660	RN732ALTD9532B25	95.3K	0.1%	.54	.40	.27
660	RN732ALTD9762B25	97.6K	0.1%	.54	.40	.27

MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
1206 Case Size 1/8W (Cont.)						
660	RN732BLTD2000B25	200	0.1%	.62	.46	.31
660	RN732BLTD2150B25	215	0.1%	.62	.46	.31
660	RN732BLTD2490B25	249	0.1%	.62	.46	.31
660	RN732BLTD3000B25	300	0.1%	.62	.46	.31
660	RN732BLTD3010B25	301	0.1%	.62	.46	.31
660	RN732BLTD3830B25	383	0.1%	.62	.46	.31
660	RN732BLTD4020B25	402	0.1%	.62	.46	.31
660	RN732BLTD4990B25	499	0.1%	.62	.46	.31
660	RN732BLTD5110B25	511	0.1%	.62	.46	.31
660	RN732BLTD5900B25	590	0.1%	.62	.46	.31
660	RN732BLTD8250B25	825	0.1%	.62	.46	.31
660	RN732BLTD8450B25	845	0.1%	.62	.46	.31
660	RN732BLTD9000B25	900	0.1%	.62	.46	.31
660	RN732BLTD1021B25	1.02K	0.1%	.62	.46	.31
660	RN732BLTD1131B25	1.13K	0.1%	.62	.46	.31
660	RN732BLTD1241B25	1.24K	0.1%	.62	.46	.31
660	RN732BLTD1301B25	1.3K	0.1%	.62	.46	.31
660	RN732BLTD1501B25	1.5K	0.1%	.62	.46	.31
660	RN732BLTD1621B25	1.62K	0.1%	.62	.46	.31
660	RN732BLTD1691B25	1.69K	0.1%	.62	.46	.31
660	RN732BLTD1781B25	1.78K	0.1%	.62	.46	.31
660	RN732BLTD1871B25	1.87K	0.1%	.62	.46	.31
660	RN732BLTD1022B25	10.2K	0.1%	.62	.46	.31
660	RN732BLTD1032B25	10.3K	0.1%	.62	.46	.31
660	RN732BLTD1023B25	10.2K	0.1%	.62	.46	.31
660	RN732BLTD1002B25	10K	0.1%	.62	.46	.31
660	RN732BLTD1122B25	11.1K	0.1%	.62	.46	.31
660	RN732BLTD1132B25	11.3K	0.1%	.62	.46	.31
660	RN732BLTD1172B25	11.7K	0.1%	.62	.46	.31
660	RN732BLTD1182B25	11.8K	0.1%	.62	.46	.31
660	RN732BLTD1103B25	11.0K	0.1%	.62	.46	.31
660	RN732BLTD1183B25	11.8K	0.1%	.62	.46	.31
660	RN732BLTD1102B25	11K	0.1%	.62	.46	.31
660	RN732BLTD1212B25	12.1K	0.1%	.62	.46	.31
660	RN732BLTD1232B25	12.3K	0.1%	.62	.46	.31
660	RN732BLTD1242B25	12.4K	0.1%	.62	.46	.31
660	RN732BLTD1272B25	12.7K	0.1%	.62	.46	.31
660	RN732BLTD1352B25	13.5K	0.1%	.62	.46	.31
660	RN732BLTD1372B25	13.7K	0.1%	.62	.46	.31
660	RN732BLTD1382B25	13.8K	0.1%	.62	.46	.31
660	RN732BLTD1302B25	13K	0.1%	.62	.46	.31
660	RN732BLTD1432B25	14.3K	0.1%	.62	.46	.31
660	RN732BLTD1472B25	14.7K	0.1%	.62	.46	.31
660	RN732BLTD1402B25	14K	0.1%	.62	.46	.31
660	RN732BLTD1542B25	15.4K	0.1%	.62	.46	.31
660	RN732BLTD1502B25	15K	0.1%	.62	.46	.31
660	RN732BLTD1622B25	16.2K	0.1%	.62	.46	.31
660	RN732BLTD1602B25	16K	0.1%	.62	.46	.31
660	RN732BLTD1822B25	18.2K	0.1%	.62	.46	.31
660	RN732BLTD1872B25	18.7K	0.1%	.62	.46	.31
660	RN732BLTD1802B25	18K	0.1%	.62	.46	.31
660	RN732BLTD1912B25	19.1K	0.1%	.62	.46	.31
660	RN732BLTD1962B25	19.6K	0.1%	.62	.46	.31
660	RN732BLTD1902B25	19K	0.1%	.62	.46	.31
660	RN732BLTD1001B25	1K	0.1%	.62	.46	.31
660	RN732BLTD2051B25	2.05K	0.1%	.62	.46	.31
660	RN732BLTD2151B25	2.15K	0.1%	.62	.46	.31
660	RN732BLTD2321B25	2.32K	0.1%	.62	.46	.31
660	RN732BLTD2341B25	2.34K	0.1%	.62	.46	.31
660	RN732BLTD2491B25	2.49K	0.1%	.62	.46	.31
660	RN732BLTD2551B25	2.55K	0.1%	.62	.46	.31
660	RN732BLTD2611B25	2.61K	0.1%	.62	.46	.31
660	RN732BLTD2671B25	2.67K	0.1%	.62	.46	.31
660	RN732BLTD2741B25	2.74K	0.1%	.62	.46	.31
660	RN732BLTD2801B25	2.8K	0.1%	.62	.46	.31
660	RN732BLTD2002B25	20K	0.1%	.62	.46	.31
660	RN732BLTD2212B25	22.1K	0.1%	.62	.46	.31
660	RN732BLTD2262B25	22.6K	0.1%	.62	.46	.31
660	RN732BLTD2322B25	23.2K	0.1%	.62	.46	.31
660	RN732BLTD2372B25	23.7K	0.1%	.62	.46	.31
660	RN732BLTD2492B25	24.9K	0.1%	.62	.46	.31

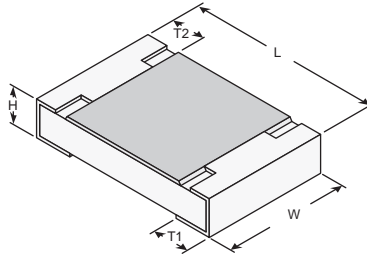
MOUSER STOCK NO.		Value	Tol.	Price Each		
Mfr.	Mfr. Part No.			1	100	Reel 5000
1206 Case Size 1/8W (Cont.)						
660	RN732BLTD2552B25	25.5K	0.1%	.62	.46	.31
660	RN732BLTD2612B25	26.1K	0.1%	.62	.46	.31
660	RN732BLTD2872B25	28.7K	0.1%	.62	.46	.31
660	RN732BLTD2802B25	28K	0.1%	.62	.46	.31
660	RN732BLTD2942B25	29.4K	0.1%	.62	.46	.31
660	RN732BLTD2001B25	2K	0.1%	.62	.46	.31
660	RN732BLTD3011B25	3.01K	0.1%	.62	.46	.31
660	RN732BLTD3161B25	3.16K	0.1%	.62	.46	.31
660	RN732BLTD3321B25	3.32K	0.1%	.62	.46	.31
660	RN732BLTD3481B25	3.48K	0.1%	.62	.46	.31
660	RN732BLTD3651B25	3.65K	0.1%	.62	.46	.31
660	RN732BLTD3012B25	30.1K	0.1%	.62	.46	.31
660	RN732BLTD3002B25	30K	0.1%	.62	.46	.31
660	RN732BLTD3323B25	33.2K	0.1%	.66	.49	.33
660	RN732BLTD3482B25	34.8K	0.1%	.62	.46	.31
660	RN732BLTD3832B25	38.3K	0.1%	.62	.46	.31
660	RN732BLTD3922B25	39.2K	0.1%	.62	.46	.31
660	RN732BLTD3923B25	39.2K	0.1%	.66	.49	.33
660	RN732BLTD3001B25	3K	0.1%	.62	.46	.31
660	RN732BLTD4021B25	4.02K	0.1%	.62	.46	.31
660	RN732BLTD4171B25	4.17K	0.1%	.66	.49	.33
660	RN732BLTD4481B25	4.48K	0.1%	.62	.46	.31
660	RN732BLTD4641B25	4.64K	0.1%	.62	.46	.31
660	RN732BLTD4871B25	4.87K	0.1%	.62	.46	.31
660	RN732BLTD4991B25	4.99K	0.1%	.62	.46	.31
660	RN732BLTD4022B25	40.2K	0.1%	.62	.46	.31
660	RN732BLTD4023B25	40.2K	0.1%	.66	.49	.33
660	RN732BLTD4002B25	40K	0.1%	.62	.46	.31
660	RN732BLTD4422B25	44.2K	0.1%	.62	.46	.31
660	RN732BLTD4532B25	45.3K	0.1%	.62	.46	.31
660	RN732BLTD4992B25	49.9K	0.1%	.62	.46	.31
660	RN732BLTD4993B25	49.9K	0.1%	.66	.49	.33
660	RN732BLTD4001B25	4K	0.1%	.62	.46	.31
660	RN732BLTD5111B25	5.11K	0.1%	.62	.46	.31
660	RN732BLTD5361B25	5.36K	0.1%	.66	.49	.33
660	RN732BLTD5421B25	5.42K	0.1%	.66	.49	.33
660	RN732BLTD5491B25	5.49K	0.1%	.66	.49	.33
660	RN732BLTD5621B25	5.62K	0.1%	.62	.46	.31
660	RN732BLTD5002B25	50K	0.1%	.62	.46	.31
660	RN732BLTD5112B25	51.1K	0.1%	.62	.46	.31
660						

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

VISHAY TNPW THIN FILM PRECISION RESISTOR CHIPS

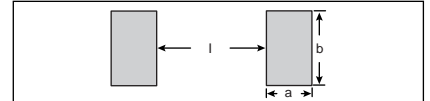
Features:

- Metal film layer on high quality ceramic
- Protective top coat
- SnPb contacts on Ni barrier layer
- Excellent stability at different environmental conditions
- Low TC and tight tolerances



Resistor Dimensions

Size		Dimensions mm					
Inch	metric	L	W	H	T1	T2	
0603	1608	1.6 ± .2	.81 ± .2	.4 ± .1	.3 ± .2	.3 ± .2	
0805	2012	2 ± .2	1.24 ± .2	.4 ± .1	.4 ± .25	.4 ± .25	
1206	3216	3.2 ± .15	1.6 ± .15	.61 ± .15	.5 ± .25	.5 ± .25	



Size		Solder Pad Dimensions mm					
		Reflow Soldering			Wave Soldering		
Inch	metric	a	b	l	a	b	l
0603	1608	.5	.9	1	.9	.9	1
0805	2012	.7	1.3	1.2	.9	1.3	1.3
1206	3216	.9	1.7	2	1.1	1.7	2.3

ORDERING INFORMATION	
Replace the <input type="checkbox"/> in the Stock Number with:	
Package Suffix	Package Description
<input type="checkbox"/> BD	Bulk Packaging
<input type="checkbox"/> TY	Taped Packaging & 1,000 pc. Reels
<input type="checkbox"/> TA	5,000 pc. Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.				Value	Tol.	T.C. PPM	Price Each			
Mfr.	Mfr. Part No.	Package Suffix					1	100	1000	5000
0603 SIZE 1/16 WATT										
71	TNPW06031K00BE	<input type="checkbox"/>	1K	0.1%	25	.40	.32	.296	.280	
71	TNPW06034K99BE	<input type="checkbox"/>	4.99K	0.1%	25	.40	.32	.296	.280	
71	TNPW060310K0BE	<input type="checkbox"/>	10K	0.1%	25	.40	.32	.296	.280	
71	TNPW060310K0DE	<input type="checkbox"/>	10K	0.5%	25	.10	.08	.074	.070	
71	TNPW060315K0DE	<input type="checkbox"/>	15K	0.5%	25	.10	.08	.074	.070	
71	TNPW060320K0BE	<input type="checkbox"/>	20K	0.1%	25	.40	.32	.296	.280	
0805 SIZE 1/10 WATT										
71	TNPW080510R0DH	<input type="checkbox"/>	10	0.5%	50	.10	.08	.074	.070	
71	TNPW080549R9BH	<input type="checkbox"/>	49.9	0.1%	50	.40	.32	.296	.280	
71	TNPW0805100RBE	<input type="checkbox"/>	100	0.1%	25	.40	.32	.296	.280	
71	TNPW0805121RBE	<input type="checkbox"/>	121	0.1%	25	.40	.32	.296	.280	
71	TNPW0805150RBE	<input type="checkbox"/>	150	0.1%	25	.40	.32	.296	.280	
71	TNPW0805200RBE	<input type="checkbox"/>	200	0.1%	25	.40	.32	.296	.280	
71	TNPW0805215RBE	<input type="checkbox"/>	215	0.1%	25	.40	.32	.296	.280	
71	TNPW0805249RBE	<input type="checkbox"/>	249	0.1%	25	.40	.32	.296	.280	
71	TNPW0805301RBE	<input type="checkbox"/>	301	0.1%	25	.40	.32	.296	.280	
71	TNPW0805402RBE	<input type="checkbox"/>	402	0.1%	25	.40	.32	.296	.280	
71	TNPW0805499RBE	<input type="checkbox"/>	499	0.1%	25	.40	.32	.296	.280	
71	TNPW0805511RBE	<input type="checkbox"/>	511	0.1%	25	.40	.32	.296	.280	
71	TNPW0805604RBE	<input type="checkbox"/>	604	0.1%	25	.40	.32	.296	.280	
71	TNPW0805681RBE	<input type="checkbox"/>	681	0.1%	25	.40	.32	.296	.280	
71	TNPW0805806RBE	<input type="checkbox"/>	806	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K00BE	<input type="checkbox"/>	1K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K00DE	<input type="checkbox"/>	1K	0.5%	25	.10	.08	.074	.070	
71	TNPW08051K02BE	<input type="checkbox"/>	1.02K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K05BE	<input type="checkbox"/>	1.05K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K10BE	<input type="checkbox"/>	1.1K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K15BE	<input type="checkbox"/>	1.15K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K21BE	<input type="checkbox"/>	1.21K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K50BE	<input type="checkbox"/>	1.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K62BE	<input type="checkbox"/>	1.62K	0.1%	25	.40	.32	.296	.280	
71	TNPW08051K80BE	<input type="checkbox"/>	1.8K	0.1%	25	.40	.32	.296	.280	
71	TNPW08052K00BE	<input type="checkbox"/>	2K	0.1%	25	.40	.32	.296	.280	
71	TNPW08052K21BE	<input type="checkbox"/>	2.21K	0.1%	25	.40	.32	.296	.280	
71	TNPW08052K37BE	<input type="checkbox"/>	2.37K	0.1%	25	.40	.32	.296	.280	
71	TNPW08052K43BE	<input type="checkbox"/>	2.43K	0.1%	25	.40	.32	.296	.280	
71	TNPW08052K49BE	<input type="checkbox"/>	2.49K	0.1%	25	.40	.32	.296	.280	
71	TNPW08052K74BE	<input type="checkbox"/>	2.74K	0.1%	25	.40	.32	.296	.280	
71	TNPW08053K01BE	<input type="checkbox"/>	3.01K	0.1%	25	.40	.32	.296	.280	
71	TNPW08053K32BE	<input type="checkbox"/>	3.32K	0.1%	25	.40	.32	.296	.280	
71	TNPW08053K57BE	<input type="checkbox"/>	3.57K	0.1%	25	.40	.32	.296	.280	
71	TNPW08053K83BE	<input type="checkbox"/>	3.83K	0.1%	25	.40	.32	.296	.280	
71	TNPW08053K92BE	<input type="checkbox"/>	3.92K	0.1%	25	.40	.32	.296	.280	
71	TNPW08054K02BE	<input type="checkbox"/>	4.02K	0.1%	25	.40	.32	.296	.280	
71	TNPW08054K42BE	<input type="checkbox"/>	4.42K	0.1%	25	.40	.32	.296	.280	
71	TNPW08054K70BE	<input type="checkbox"/>	4.7K	0.1%	25	.40	.32	.296	.280	
71	TNPW08054K75BE	<input type="checkbox"/>	4.75K	0.1%	25	.40	.32	.296	.280	
71	TNPW08054K99BE	<input type="checkbox"/>	4.99K	0.1%	25	.40	.32	.296	.280	
71	TNPW08055K11BE	<input type="checkbox"/>	5.11K	0.1%	25	.40	.32	.296	.280	
71	TNPW08056K04BE	<input type="checkbox"/>	6.04K	0.1%	25	.40	.32	.296	.280	
71	TNPW08056K19BE	<input type="checkbox"/>	6.19K	0.1%	25	.40	.32	.296	.280	
71	TNPW08056K81BE	<input type="checkbox"/>	6.81K	0.1%	25	.40	.32	.296	.280	
71	TNPW08057K50BE	<input type="checkbox"/>	7.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW08058K06BE	<input type="checkbox"/>	8.06K	0.1%	25	.40	.32	.296	.280	
71	TNPW08058K25BE	<input type="checkbox"/>	8.25K	0.1%	25	.40	.32	.296	.280	
71	TNPW08058K45BE	<input type="checkbox"/>	8.45K	0.1%	25	.40	.32	.296	.280	
71	TNPW08059K09BE	<input type="checkbox"/>	9.09K	0.1%	25	.40	.32	.296	.280	
71	TNPW08059K53BE	<input type="checkbox"/>	9.53K	0.1%	25	.40	.32	.296	.280	
71	TNPW080510K0BE	<input type="checkbox"/>	10K	0.1%	25	.40	.32	.296	.280	
71	TNPW080510K0DE	<input type="checkbox"/>	10K	0.5%	25	.10	.08	.074	.070	
71	TNPW080510K4BE	<input type="checkbox"/>	10.4K	0.1%	25	.40	.32	.296	.280	
71	TNPW080510K5BE	<input type="checkbox"/>	10.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW080511K0BE	<input type="checkbox"/>	11K	0.1%	25	.40	.32	.296	.280	
71	TNPW080512K1BE	<input type="checkbox"/>	12.1K	0.1%	25	.40	.32	.296	.280	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.				Value	Tol.	T.C. PPM	Price Each			
Mfr.	Mfr. Part No.	Package Suffix					1	100	1000	5000
0805 SIZE 1/10 WATT										
71	TNPW080512K4BE	<input type="checkbox"/>	12.4K	0.1%	25	.40	.32	.296	.280	
71	TNPW080512K7BE	<input type="checkbox"/>	12.7K	0.1%	25	.40	.32	.296	.280	
71	TNPW080513K0BE	<input type="checkbox"/>	13K	0.1%	25	.40	.32	.296	.280	
71	TNPW080513K3BE	<input type="checkbox"/>	13.3K	0.1%	25	.40	.32	.296	.280	
71	TNPW080514K0BE	<input type="checkbox"/>	14K	0.1%	25	.40	.32	.296	.280	
71	TNPW080515K0BE	<input type="checkbox"/>	15K	0.1%	25	.40	.32	.296	.280	
71	TNPW080515K4BE	<input type="checkbox"/>	15.4K	0.1%	25	.40	.32	.296	.280	
71	TNPW080516K2BE	<input type="checkbox"/>	16.2K	0.1%	25	.40	.32	.296	.280	
71	TNPW080516K9BE	<input type="checkbox"/>	16.9K	0.1%	25	.40	.32	.296	.280	
71	TNPW080517K4BE	<input type="checkbox"/>	17.4K	0.1%	25	.40	.32	.296	.280	
71	TNPW080518K2BE	<input type="checkbox"/>	18.2K	0.1%	25	.40	.32	.296	.280	
71	TNPW080519K6BE	<input type="checkbox"/>	19.6K	0.1%	25	.40	.32	.296	.280	
71	TNPW080520K0BE	<input type="checkbox"/>	20K	0.1%	25	.40	.32	.296	.280	
71	TNPW080521K0BE	<input type="checkbox"/>	21K	0.1%	25	.40	.32	.296	.280	
71	TNPW080521K5BE	<input type="checkbox"/>	21.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW080522K1BE	<input type="checkbox"/>	22.1K	0.1%	25	.40	.32	.296	.280	
71	TNPW080525K5BE	<input type="checkbox"/>	25.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW080527K4BE	<input type="checkbox"/>	27.4K	0.1%	25	.40	.32	.296	.280	
71	TNPW080528K0BE	<input type="checkbox"/>	28K	0.1%	25	.40	.32	.296	.280	
71	TNPW080530K1BE	<input type="checkbox"/>	30.1K	0.1%	25	.40	.32	.296	.280	
71	TNPW080530K9BE	<input type="checkbox"/>	30.9K	0.1%	25	.40	.32	.296	.280	
71	TNPW080533K2BE	<input type="checkbox"/>	33.2K	0.1%	25	.40	.32	.296	.280	
71	TNPW080538K3BE	<input type="checkbox"/>	38.3K	0.1%	25	.40	.32	.296	.280	
71	TNPW080538K3DE	<input type="checkbox"/>	38.3K	0.5%	25	.10	.08	.074	.070	
71	TNPW080539K2BE	<input type="checkbox"/>	39.2K	0.1%	25	.40	.32	.296	.280	
71	TNPW080540K2BE	<input type="checkbox"/>	40.2K	0.1%	25	.40	.32	.296	.280	
71	TNPW080547K0BE	<input type="checkbox"/>	47K	0.1%	25	.40	.32	.296	.280	
71	TNPW080547K5BE	<input type="checkbox"/>	47.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW080549K9BE	<input type="checkbox"/>	49.9K	0.1%	25	.40	.32	.296	.280	
71	TNPW080551K1BE	<input type="checkbox"/>	51.1K	0.1%	25	.40	.32	.296	.280	
71	TNPW080553K6BE	<input type="checkbox"/>	53.6K	0.1%	25	.40	.32	.296	.280	
71	TNPW080560K4BE	<input type="checkbox"/>	60.4K	0.1%	25	.40	.32	.296	.280	
71	TNPW080566K5BE	<input type="checkbox"/>	66.5K	0.1%	25	.40	.32	.296	.280	
71	TNPW080575K0BE	<input type="checkbox"/>	75K	0.1%	25	.40	.32	.296	.280	
71	TNPW080580K6BE	<input type="checkbox"/>	80.6K	0.1%	25	.40	.32	.296	.280	
71	TNPW080590K9BE	<input type="checkbox"/>	90.9K	0.1%	25	.40	.32	.296	.280	
71	TNPW0805100KBE	<input type="checkbox"/>								



Vishay Thin Film Precision Resistor Chips

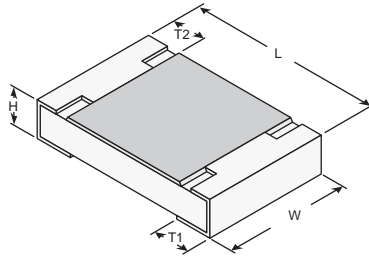


NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

VISHAY TNPW THIN FILM PRECISION RESISTOR CHIPS

Features:

- Metal film layer on high quality ceramic
- Protective top coat
- SnPb contacts on Ni barrier layer
- Excellent stability at different environmental conditions
- Low TC and tight tolerances



ORDERING INFORMATION	
Replace the <input type="checkbox"/> in the Stock Number with:	
Package Suffix	Package Description
<input type="checkbox"/> BD	Bulk Packaging
<input type="checkbox"/> TY	Taped Packaging & 1,000 pc. Reels
<input type="checkbox"/> TA	5,000 pc. Reel

Resistor Dimensions

Size		Dimensions mm					
Inch	metric	L	W	H	T1	T2	
0603	1608	1.6 ± .2	.81 ± .2	.4 ± .1	.3 ± .2	.3 ± .2	
0805	2012	2 ± .2	1.24 ± .2	.4 ± .1	4 ± .25	4 ± .25	
1206	3216	3.2 ± .15	1.6 ± .15	.61 ± .15	5 ± .25	5 ± .25	

Size		Solder Pad Dimensions mm					
Inch	metric	Reflow Soldering			Wave Soldering		
		a	b	l	a	b	l
0603	1608	.5	.9	1	.9	.9	1
0805	2012	.7	1.3	1.2	.9	1.3	1.3
1206	3216	.9	1.7	2	1.1	1.7	2.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.			Value	Tol.	T.C. PPM	Price Each			
Mfr.	Mfr. Part No.	Package Suffix				1	100	1000	5000
1206 SIZE 1/8 WATT									
71	TNPW1206909RBE	<input type="checkbox"/>	909	0.1%	25	.58	.46	.426	.403
71	TNPW1206931RBE	<input type="checkbox"/>	931	0.1%	25	.58	.46	.426	.403
71	TNPW1206976RBE	<input type="checkbox"/>	976	0.1%	25	.58	.46	.426	.403
71	TNPW12061K00BE	<input type="checkbox"/>	1K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K21BE	<input type="checkbox"/>	1.21K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K24BE	<input type="checkbox"/>	1.24K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K27BE	<input type="checkbox"/>	1.27K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K30BE	<input type="checkbox"/>	1.3K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K40BE	<input type="checkbox"/>	1.4K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K47BE	<input type="checkbox"/>	1.47K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K54BE	<input type="checkbox"/>	1.54K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K62BE	<input type="checkbox"/>	1.62K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K96BE	<input type="checkbox"/>	1.96K	0.1%	25	.58	.46	.426	.403
71	TNPW12062K00BE	<input type="checkbox"/>	2K	0.1%	25	.58	.46	.426	.403
71	TNPW12062K21BE	<input type="checkbox"/>	2.21K	0.1%	25	.58	.46	.426	.403
71	TNPW12062K43BE	<input type="checkbox"/>	2.43K	0.1%	25	.58	.46	.426	.403
71	TNPW12062K49BE	<input type="checkbox"/>	2.49K	0.1%	25	.58	.46	.426	.403
71	TNPW12062K67BE	<input type="checkbox"/>	2.67K	0.1%	25	.58	.46	.426	.403
71	TNPW12062K94BE	<input type="checkbox"/>	2.94K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K01BE	<input type="checkbox"/>	3.01K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K09BE	<input type="checkbox"/>	3.09K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K16BE	<input type="checkbox"/>	3.16K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K32BE	<input type="checkbox"/>	3.32K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K40BE	<input type="checkbox"/>	3.4K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K48BE	<input type="checkbox"/>	3.48K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K57BE	<input type="checkbox"/>	3.57K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K74BE	<input type="checkbox"/>	3.74K	0.1%	25	.58	.46	.426	.403
71	TNPW12063K92BE	<input type="checkbox"/>	3.92K	0.1%	25	.58	.46	.426	.403
71	TNPW12064K12BE	<input type="checkbox"/>	4.12K	0.1%	25	.58	.46	.426	.403
71	TNPW12064K22BE	<input type="checkbox"/>	4.22K	0.1%	25	.58	.46	.426	.403
71	TNPW12064K53BE	<input type="checkbox"/>	4.53K	0.1%	25	.58	.46	.426	.403
71	TNPW12064K75BE	<input type="checkbox"/>	4.75K	0.1%	25	.58	.46	.426	.403
71	TNPW12064K99BE	<input type="checkbox"/>	4.99K	0.1%	25	.58	.46	.426	.403
71	TNPW12065K00BE	<input type="checkbox"/>	5K	0.1%	25	.58	.46	.426	.403
71	TNPW12065K11BE	<input type="checkbox"/>	5.11K	0.1%	25	.58	.46	.426	.403
71	TNPW12065K23BE	<input type="checkbox"/>	5.23K	0.1%	25	.58	.46	.426	.403
71	TNPW12065K49BE	<input type="checkbox"/>	5.49K	0.1%	25	.58	.46	.426	.403
71	TNPW12065K62BE	<input type="checkbox"/>	5.62K	0.1%	25	.58	.46	.426	.403
71	TNPW12066K04BE	<input type="checkbox"/>	6.04K	0.1%	25	.58	.46	.426	.403
71	TNPW12066K19BE	<input type="checkbox"/>	6.19K	0.1%	25	.58	.46	.426	.403
71	TNPW12066K34BE	<input type="checkbox"/>	6.34K	0.1%	25	.58	.46	.426	.403
71	TNPW12066K81BE	<input type="checkbox"/>	6.81K	0.1%	25	.58	.46	.426	.403
71	TNPW12067K32BE	<input type="checkbox"/>	7.32K	0.1%	25	.58	.46	.426	.403
71	TNPW12067K50BE	<input type="checkbox"/>	7.5K	0.1%	25	.58	.46	.426	.403
71	TNPW12068K06BE	<input type="checkbox"/>	8.06K	0.1%	25	.58	.46	.426	.403
71	TNPW12068K25BE	<input type="checkbox"/>	8.25K	0.1%	25	.58	.46	.426	.403
71	TNPW12069K09BE	<input type="checkbox"/>	9.09K	0.1%	25	.58	.46	.426	.403
71	TNPW12069K76BE	<input type="checkbox"/>	9.76K	0.1%	25	.58	.46	.426	.403
71	TNPW12061K00BE	<input type="checkbox"/>	10K	0.1%	25	.58	.46	.426	.403
71	TNPW120610K2BE	<input type="checkbox"/>	10.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120611K0BE	<input type="checkbox"/>	11K	0.1%	25	.58	.46	.426	.403
71	TNPW120611K3BE	<input type="checkbox"/>	11.3K	0.1%	25	.58	.46	.426	.403
71	TNPW120612K0BE	<input type="checkbox"/>	12K	0.1%	25	.58	.46	.426	.403
71	TNPW120612K1BE	<input type="checkbox"/>	12.1K	0.1%	25	.58	.46	.426	.403
71	TNPW120612K4BE	<input type="checkbox"/>	12.4K	0.1%	25	.58	.46	.426	.403
71	TNPW120613K0BE	<input type="checkbox"/>	13K	0.1%	25	.58	.46	.426	.403
71	TNPW120613K3BE	<input type="checkbox"/>	13.3K	0.1%	25	.58	.46	.426	.403
71	TNPW120613K7BE	<input type="checkbox"/>	13.7K	0.1%	25	.58	.46	.426	.403
71	TNPW120614K3BE	<input type="checkbox"/>	14.3K	0.1%	25	.58	.46	.426	.403
71	TNPW120614K7BE	<input type="checkbox"/>	14.7K	0.1%	25	.58	.46	.426	.403
71	TNPW120615K0BE	<input type="checkbox"/>	15K	0.1%	25	.58	.46	.426	.403

For quantities greater than listed, call for quote.

MOUSER STOCK NO.			Value	Tol.	T.C. PPM	Price Each			
Mfr.	Mfr. Part No.	Package Suffix				1	100	1000	5000
1206 SIZE 1/8 WATT									
71	TNPW120616K2BE	<input type="checkbox"/>	16.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120617K4BE	<input type="checkbox"/>	17.4K	0.1%	25	.58	.46	.426	.403
71	TNPW120617K8BE	<input type="checkbox"/>	17.8K	0.1%	25	.58	.46	.426	.403
71	TNPW120618K7BE	<input type="checkbox"/>	18.7K	0.1%	25	.58	.46	.426	.403
71	TNPW120619K6BE	<input type="checkbox"/>	19.6K	0.1%	25	.58	.46	.426	.403
71	TNPW120620K0BE	<input type="checkbox"/>	20K	0.1%	25	.58	.46	.426	.403
71	TNPW120621K0BE	<input type="checkbox"/>	21K	0.1%	25	.58	.46	.426	.403
71	TNPW120622K1BE	<input type="checkbox"/>	22.1K	0.1%	25	.58	.46	.426	.403
71	TNPW120624K3BE	<input type="checkbox"/>	24.3K	0.1%	25	.58	.46	.426	.403
71	TNPW120624K9BE	<input type="checkbox"/>	24.9K	0.1%	25	.58	.46	.426	.403
71	TNPW120627K1BE	<input type="checkbox"/>	27.1K	0.1%	25	.58	.46	.426	.403
71	TNPW120627K4BE	<input type="checkbox"/>	27.4K	0.1%	25	.58	.46	.426	.403
71	TNPW120628K0BE	<input type="checkbox"/>	28K	0.1%	25	.58	.46	.426	.403
71	TNPW120628K7BE	<input type="checkbox"/>	28.7K	0.1%	25	.58	.46	.426	.403
71	TNPW120629K4BE	<input type="checkbox"/>	29.4K	0.1%	25	.58	.46	.426	.403
71	TNPW120630K1BE	<input type="checkbox"/>	30.1K	0.1%	25	.58	.46	.426	.403
71	TNPW120631K6BE	<input type="checkbox"/>	31.6K	0.1%	25	.58	.46	.426	.403
71	TNPW120633K2BE	<input type="checkbox"/>	33.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120644K0BE	<input type="checkbox"/>	34K	0.1%	25	.58	.46	.426	.403
71	TNPW120634K8BE	<input type="checkbox"/>	34.8K	0.1%	25	.58	.46	.426	.403
71	TNPW120639K2BE	<input type="checkbox"/>	39.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120640K2BE	<input type="checkbox"/>	40.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120641K2BE	<input type="checkbox"/>	41.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120644K2BE	<input type="checkbox"/>	44.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120645K3BE	<input type="checkbox"/>	45.3K	0.1%	25	.58	.46	.426	.403
71	TNPW120647K5BE	<input type="checkbox"/>	47.5K	0.1%	25	.58	.46	.426	.403
71	TNPW120649K9BE	<input type="checkbox"/>	49.9K	0.1%	25	.58	.46	.426	.403
71	TNPW120651K1BE	<input type="checkbox"/>	51.1K	0.1%	25	.58	.46	.426	.403
71	TNPW120656K2BE	<input type="checkbox"/>	56.2K	0.1%	25	.58	.46	.426	.403
71	TNPW120657K6BE	<input type="checkbox"/>	57.6K	0.1%	25	.58	.46	.426	.403
71	TNPW120664K9BE	<input type="checkbox"/>	64.9K	0.1%	25	.58	.46	.426	.403
71	TNPW120668K1BE	<input type="checkbox"/>	68.1K	0.1%	25	.58	.46	.426	.403
71	TNPW120671K5BE	<input type="checkbox"/>	71.5K	0.1%	25	.58	.46	.426	.403
71	TNPW120676K8BE	<input type="checkbox"/>	76.8K	0.1%	25	.58	.46	.426	.403
71	TNPW120680K6BE	<input type="checkbox"/>	80.6K	0.1%	25	.58	.46	.426	.403
71	TNPW120682K5BE	<input type="checkbox"/>	82.5K	0.1%	25	.58	.46	.426	.403
71	TNPW120690K9BE	<input type="checkbox"/>	90.9K	0.1%	25	.58	.46	.426	.403
71	TNPW1206100KBE	<input type="checkbox"/>	100K	0.1%	25	.58	.46	.426	.403
71	TNPW1206105KBE	<input type="checkbox"/>	105K	0.1%	25	.58	.46	.426	.403
71	TNPW1206110KBE	<input type="checkbox"/>	110K	0.1%	25	.58	.46	.426	.403
71	TNPW1206113KBE	<input type="checkbox"/>	113K	0.1%	25	.58	.46	.426	.403
71	TNPW1206115KBE	<input type="checkbox"/>	115K	0.1%	25	.58	.46	.426	.403
71	TNPW1206121KBE	<input type="checkbox"/>	121K	0.1%	25	.58	.46	.426	.403
71	TNPW1206124KBE	<input type="checkbox"/>	124K	0.1%	25	.58	.46	.426	.403
71	TNPW1206127KBE	<input type="checkbox"/>	127K	0.1%	25	.58	.46	.426	.403
71	TNPW1206130KBE	<input type="checkbox"/>	130K	0.1%	25	.58	.46	.426	.403
71	TNPW1206133KBE	<input type="checkbox"/>	133K	0.1%	25	.58	.46	.426	.403
71	TNPW1206143KBE	<input type="checkbox"/>	143K	0.1%	25	.58	.46	.426	.403
71	TNPW1206150KBE	<input type="checkbox"/>	150K	0.1%	25	.58	.46	.426	.403
71	TNPW1206165KBE	<input type="checkbox"/>	165K	0.1%	25	.58	.46	.426	.403
71	TNPW1206182KBE	<input type="checkbox"/>	182K	0.1%	25	.58	.46	.426	.403
71	TNPW1206200KBE	<input type="checkbox"/>	200K	0.1%	25	.58	.46	.426	.403
71	TNPW1206221KBE	<input type="checkbox"/>	221K	0.1%	25	.58			



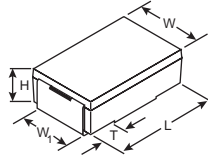
Vishay Power Resistors



WSC SERIES WIREWOUND RESISTORS PRECISION POWER, SURFACE MOUNT

Features:

- Wrap around terminations
- SnPb electro tin plated terminations
- All welded construction
- Superior surge capability
- Molded epoxy encapsulation
- Operating temperature -65°C to +175°C
- Tolerance 1% standard
- Available in non-inductive styles with Aryton-Perry winding (WSN in lieu of WSC)



Dimensions (In.)

Model	L	H	T	W	W ₁
2012	0.200 ± 0.020	0.096 ± 0.015	0.040 ± 0.010	0.125 ± 0.005	0.050 ± 0.010
2515	0.250 ± 0.020	0.110 ± 0.015	0.045 ± 0.010	0.150 ± 0.005	0.098 ± 0.005
4527	0.445 ± 0.032	0.162 ± 0.015	0.100 ± 0.010	0.275 ± 0.005	0.215 ± 0.005

Vishay SMD Resistors

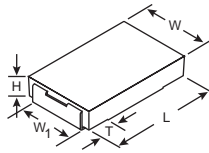
MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each					Call for Quote
			1	100	500	1000	2000+	
2012 size 1/2 watt								
71-WSC-1/2-0.1	WSC0012R1000FBA	0.1	1.18	.94	.76	.73	CALL FOR QUOTE	
71-WSC-1/2-0.2	WSC0012R2000FBA	0.2	1.18	.94	.76	.73		
71-WSC-1/2-0.4	WSC0012R4000FBA	0.4	1.18	.94	.76	.73		
71-WSC-1/2-1.0	WSC00121R000FBA	1.0	1.18	.94	.76	.73		
71-WSC-1/2-2.7	WSC00122R700FBA	2.7	1.18	.94	.76	.73		
2515 size 1 watt								
71-WSC-1-0.1	WSC0001R1000FTB	0.1	1.25	1.00	.80	.78		
71-WSC-1-0.2	WSC0001R2000FBA	0.2	1.25	1.00	.80	.78		
71-WSC-1-0.25	WSC0001R2500FBA	0.25	1.25	1.00	.80	.78		
71-WSC-1-0.301	WSC0001R3010FBA	0.301	1.25	1.00	.80	.78		
71-WSC-1-0.33	WSC0001R3300FBA	0.33	1.25	1.00	.80	.78		
71-WSC-1-0.47	WSC0001R4700FBA	0.47	1.25	1.00	.80	.78		
71-WSC-1-0.499	WSC0001R4990FBA	0.499	1.25	1.00	.80	.78		
71-WSC-1-0.5	WSC0001R5000FBA	0.5	1.25	1.00	.80	.78		
71-WSC-1-0.75	WSC0001R7500FBA	0.75	1.25	1.00	.80	.78		
71-WSC-1-0.82	WSC0001R8200FBA	0.82	1.25	1.00	.80	.78		
71-WSC-1-1.0	WSC0001R1000FBA	1.0	.88	.70	.56	.54		
71-WSC-1-1.5	WSC0001R1500FBA	1.5	.88	.70	.56	.54		
71-WSC-1-2.0	WSC0001R2000FBA	2.0	.88	.70	.56	.54		
71-WSC-1-2.2	WSC0001R2200FBA	2.2	.88	.70	.56	.54		
71-WSC-1-2.5	WSC0001R2500FBA	2.5	.88	.70	.56	.54		
71-WSC-1-3.3	WSC0001R3300FBA	3.3	.88	.70	.56	.54		
71-WSC-1-4.02	WSC0001R4020FBA	4.02	.88	.70	.56	.54		
71-WSC-1-4.7	WSC0001R4700FBA	4.7	.88	.70	.56	.54		
71-WSC-1-5.0	WSC0001R5000FBA	5.0	.88	.70	.56	.54		
71-WSC-1-5.11	WSC0001R5110FBA	5.11	.88	.70	.56	.54		
71-WSC-1-5.6	WSC0001R5600FBA	5.6	.88	.70	.56	.54		
71-WSC-1-6.65	WSC0001R6650FBA	6.65	.88	.70	.56	.54		
71-WSC-1-8.25	WSC0001R8250FBA	8.25	.88	.70	.56	.54		
71-WSC-1-10	WSC0001R10000FBA	10	.88	.70	.56	.54		
71-WSC-1-15	WSC0001R15000FBA	15	.88	.70	.56	.54		
71-WSC-1-20	WSC0001R20000FBA	20	.88	.70	.56	.54		
71-WSC-1-22	WSC0001R22000FBA	22	.88	.70	.56	.54		
71-WSC-1-30.1	WSC0001R3010FBA	30.1	1.20	.96	.77	.75		
71-WSC-1-39	WSC0001R39000FBA	39	1.20	.96	.77	.75		
71-WSC-1-39.2	WSC0001R3920FBA	39.2	1.20	.96	.77	.75		
71-WSC-1-40.2	WSC0001R4020FBA	40.2	1.20	.96	.77	.75		
71-WSC-1-47	WSC0001R47000FBA	47	1.20	.96	.77	.75		
71-WSC-1-49.9	WSC0001R4990FBA	49.9	1.20	.96	.77	.75		
71-WSC-1-50	WSC0001R50000FBA	50	1.20	.96	.77	.75		
71-WSC-1-56.2	WSC0001R5620FBA	56.2	1.20	.96	.77	.75		
71-WSC-1-75	WSC0001R75000FBA	75	1.20	.96	.77	.75		
71-WSC-1-100	WSC0001R10000FBA	100	1.20	.96	.77	.75		
71-WSC-1-120	WSC0001R12000FBA	120	1.20	.96	.77	.75		
71-WSC-1-133	WSC0001R13300FBA	133	1.20	.96	.77	.75		
71-WSC-1-150	WSC0001R15000FBA	150	1.20	.96	.77	.75		
71-WSC-1-180	WSC0001R18000FBA	180	1.20	.96	.77	.75		
71-WSC-1-200	WSC0001R20000FBA	200	1.20	.96	.77	.75		

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each					Call for Quote
			1	100	500	1000	2000+	
4527 size 2 watt								
71-WSC-2-0.1	WSC0002R1000FBA	0.1	1.20	.96	.77	.75	CALL FOR QUOTE	
71-WSC-2-0.15	WSC0002R1500FBA	0.15	1.20	.96	.77	.75		
71-WSC-2-0.2	WSC0002R2000FBA	0.2	1.20	.96	.77	.75		
71-WSC-2-0.301	WSC0002R3010FBA	0.301	1.20	.96	.77	.75		
71-WSC-2-0.5	WSC0002R5000FBA	0.5	1.20	.96	.77	.75		
71-WSC-2-1.0	WSC0002R10000FBA	1.0	1.20	.96	.77	.75		
71-WSC-2-1.2	WSC0002R1200FBA	1.2	.88	.70	.56	.54		
71-WSC-2-1.5	WSC0002R1500FBA	1.5	.88	.70	.56	.54		
71-WSC-2-2.0	WSC0002R2000FBA	2	.88	.70	.56	.54		
71-WSC-2-2.2	WSC0002R2200FBA	2.2	.88	.70	.56	.54		
71-WSC-2-2.49	WSC0002R2490FBA	2.49	.88	.70	.56	.54		
71-WSC-2-2.7	WSC0002R2700FBA	2.7	.88	.70	.56	.54		
71-WSC-2-3.3	WSC0002R3300FBA	3.3	.88	.70	.56	.54		
71-WSC-2-4.12	WSC0002R4120FBA	4.12	.88	.70	.56	.54		
71-WSC-2-4.99	WSC0002R4990FBA	4.99	.88	.70	.56	.54		
71-WSC-2-5.0	WSC0002R5000FBA	5	.88	.70	.56	.54		
71-WSC-2-6.0	WSC0002R6000FBA	6	.88	.70	.56	.54		
71-WSC-2-10	WSC0002R10000FBA	10	.88	.70	.56	.54		
71-WSC-2-12	WSC0002R12000FBA	12	.88	.70	.56	.54		
71-WSC-2-20	WSC0002R20000FBA	20	.88	.70	.56	.54		
71-WSC-2-24.9	WSC0002R2490FBA	24.9	.88	.70	.56	.54		
71-WSC-2-30.1	WSC0002R3010FBA	30.1	.88	.70	.56	.54		
71-WSC-2-33.2	WSC0002R3320FBA	33.2	.88	.70	.56	.54		
71-WSC-2-36	WSC0002R36000FBA	36.0	.88	.70	.56	.54		
71-WSC-2-39	WSC0002R39000FBA	39.0	.88	.70	.56	.54		
71-WSC-2-49.9	WSC0002R4990FBA	49.9	.88	.70	.56	.54		
71-WSC-2-62	WSC0002R62000FBA	62	1.40	1.12	.90	.84		
71-WSC-2-75	WSC0002R75000FBA	75	1.40	1.12	.90	.84		
71-WSC-2-90	WSC0002R90000FBA	90	1.40	1.12	.90	.84		
71-WSC-2-100	WSC0002R100000FBA	100	1.40	1.12	.90	.84		
71-WSC-2-120	WSC0002R120000FBA	120	1.40	1.12	.90	.84		
71-WSC-2-300	WSC0002R300000FBA	300	1.40	1.12	.90	.84		
71-WSC-2-511	WSC0002R511000FBA	511	1.95	1.56	1.25	1.21		
71-WSC-2-1K	WSC0002R1K000FBA	1K	1.95	1.56	1.25	1.21		
71-WSC-2-1.2K	WSC0002R1.2K000FBA	1.2K	1.95	1.56	1.25	1.21		
71-WSC-2-2K	WSC0002R2K000FBA	2K	1.95	1.56	1.25	1.21		

WSR SERIES POWER METAL STRIP® RESISTORS LOW VALUE, SURFACE MOUNT (SIZE: 4527)

Features:

- Ideal for current sensing, voltage division and pulse applications
- Molded high temperature encapsulation
- 60/40 tin/lead copper terminations
- Very low inductance 0.5nH to 5nH
- Proprietary technique produces extremely low resistance values
- Excellent frequency response
- Low thermal EMF
- Tolerance 1% standard
- Case size: 4527



Dimensions (In.)

Model	L	H	T	W	W ₁
WSR2	0.455 ± 0.032	0.095 ± 0.005	0.100 ± 0.010	0.275 ± 0.005	0.215 ± 0.005
WSR3	0.455 ± 0.032	0.095 ± 0.005	0.100 ± 0.010	0.275 ± 0.005	0.215 ± 0.005

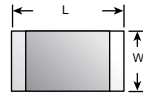
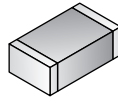
MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each					Call for Quote
			1	100	500	1000	2000+	
71-WSR-2-0.005	WSR25L000FBA	0.005	1.38	1.10	.88	.85	CALL FOR QUOTE	
71-WSR-2-0.007	WSR27L000FBA	0.007	1.38	1.10	.88	.85		
71-WSR-2-0.008	WSR28L000FBA	0.008	1.38	1.10	.88	.85		
71-WSR-2-0.01	WSR2R01000FBA	0.01	1.13	.90	.72	.70		
71-WSR-2-0.0125	WSR2R0125FBA	0.0125	1.13	.90	.72	.70		
71-WSR-2-0.015	WSR2R01500FBA	0.015	1.13	.90	.72	.70		
71-WSR-2-0.02	WSR2R0200FBA	0.02	1.13	.90	.72	.70		
71-WSR-2-0.025	WSR2R0250FBA	0.025	1.13	.90	.72	.70		
71-WSR-2-0.03	WSR2R0300FBA	0.03	1.13	.90	.72	.70		
71-WSR-2-0.04	WSR2R0400FBA	0.04	1.13	.90	.72	.70		
71-WSR-2-0.05	WSR2R0500FBA	0.05	1.13	.90	.72	.70		
71-WSR-2-0.1	WSR2R1000FBA	0.1	1.03	.82	.66	.64		

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each					Call for Quote
			1	100	500	1000	2000+	
71-WSR-2-0.2	WSR2R2000FBA	0.2	1.03	.82	.66	.64	CALL FOR QUOTE	
71-WSR-2-0.365	WSR2R3650FBA	0.365	1.03	.82	.66	.64		
71-WSR-2-0.402	WSR2R4020FBA	0.402	1.03	.82	.66	.64		
71-WSR-2-0.5	WSR2R5000FBA	0.5	1.03	.82	.66	.64		
71-WSR-2-0.52	WSR2R5200FBA	0.52	1.03	.82	.66	.64		
71-WSR-2-0.75	WSR2R7500FBA	0.75	1.03	.82	.66	.64		
71-WSR-2-1.0	WSR2R10000FBA	1.0	1.03	.82	.66	.64		
71-WSR-3-0.01	WSR3R01000FBA	0.01	1.15	.92	.74	.72		
71-WSR-3-0.02	WSR3R02000FBA	0.02	1.15	.92	.74	.72		
71-WSR-3-0.1	WSR3R10000FBA	0.1	1.05	.84	.67	.65		
71-WSR-3-0.2	WSR3R20000FBA	0.2	1.05	.84	.67	.65		

1% THICK FILM CHIP RESISTORS

Specifications:

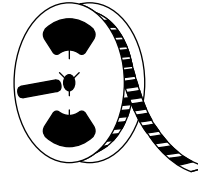
- Resistance tolerance: $\pm 1\%$
- Operating temperature: -55°C to $+150^{\circ}\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}$



0402 SIZE 10,000 PIECE FULL REELS

Bulk Packs, Parts Packed on SMD Tape

MOUSER STOCK NO.	Case Size	Watts (W)	Max. Working Voltage (V)	Dimensions (In.)		Price Per Value		
				L	W	1	100	1000
71-CRCW0402-Value	0402	1/16	50	.036	.019	.14	.07	.03



0	121	1.3K	4.7K	15K	66.5K	681K
10	130	1.5K	4.75K	16.2K	68.1K	1M
20	150	1.62K	4.99K	20K	71.5K	
22.1	196	1.8K	5.11K	20.5K	75K	
24.9	200	1.82K	5.49K	21K	82.5K	
27.4	221	2K	5.62K	22.1K	86.6K	
30.1	249	2.21K	5.76K	24.9K	100K	
33.2	274	2.37K	6.04K	26.7K	105K	
37.4	301	2.43K	6.19K	27.4K	110K	
39.2	330	2.49K	6.81K	30.1K	118K	
47.5	332	2.67K	7.15K	33.2K	121K	
49.9	432	2.7K	7.5K	34K	130K	
51.1	475	2.74K	8.25K	40.2K	150K	
56.2	499	2.8K	9.31K	42.2K	162K	
61.9	511	2.87K	10K	43.2K	200K	
68.1	681	3.01K	10.2K	47K	221K	
75	750	3.32K	10.7K	47.5K	249K	
82.5	1K	3.92K	11K	49.9K	301K	
90.9	1.1K	4.02K	12.1K	51.1K	475K	
100	1.21K	4.64K	13.7K	61.9K	499K	

† Other E-96 values are available with a minimum order requirement of 5,000. For more details, call (800) 346-6873.

† These are stocked values, other E-96 values available, call (800) 346-6873 for more details.

0603 SIZE 5,000 PIECE FULL REELS

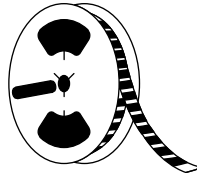
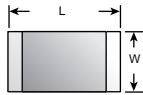
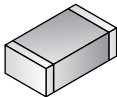
Bulk Packs, Parts Packed on SMD Tape

MOUSER STOCK NO.	Case Size	Watts (W)	Max. Working Voltage (V)	Dimensions (In.)		Price Per Value			
				L	W	1	50	100	1000
71-CRCW0603-Value	0603	1/16	50	.063	.031	.10	.03	.02	.01

1% THICK FILM CHIP RESISTORS

Specifications:

- Resistance tolerance: $\pm 1\%$
- Operating temperature: -55°C to $+150^{\circ}\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}$



0805 AND 1206 SIZE 5,000 PIECE FULL REELS

Bulk Packs, Parts Packed on SMD Tape

MOUSER STOCK NO.	Case Size	Watts (W)	Max. Working Voltage (V)	Dimensions (In.)		Price Per Value			
				L	W	1	50	100	1000
71-CRCW0805-Value	0805	1/10	100	.079	.049	.10	.03	.02	.01
71-CRCW1206-Value	1206	1/8	200	.126	.063	.10	.03	.02	.01

0	64.9	196	432	1.18K	2.8K	5.76K	12.1K	27.4K	75K	237K
10	68.1	200	442	1.21K	2.87K	6.04K	12.4K	28K	80.6K	243K
12.1	71.5	215	453	1.24K	3.01K	6.19K	12.7K	28.7K	82.5K	249K
15	75	221	464	1.3K	3.09K	6.34K	13K	30.1K	84.5K	301K
18.2	78.7	232	475	1.4K	3.16K	6.49K	13.3K	31.6K	90.9K	316K
20	80.6	237	487	1.47K	3.32K	6.65K	13.7K	32.4K	95.3K	324K
21.5	82.5	243	499	1.5K	3.4K	6.81K	14K	33.2K	100K	332K
22.1	90.9	255	511	1.62K	3.48K	6.98K	14.7K	34K	105K	357K
23.7	100	261	523	1.65K	3.57K	7.15K	15K	35.7K	110K	365K
24.9	107	267	549	1.69K	3.65K	7.5K	16.2K	36.5K	115K	383K
28	110	274	562	1.74K	3.74K	7.68K	16.5K	39.2K	121K	392K
30.1	115	280	590	1.78K	3.83K	7.87K	16.9K	40.2K	127K	464K
33.2	118	294	619	1.82K	3.92K	8.06K	17.8K	41.2K	130K	475K
37.4	121	301	649	2.0K	4.02K	8.25K	18.2K	42.2K	133K	511K
39.2	124	316	681	2.05K	4.12K	8.45K	18.7K	43.2K	140K	562K
40.2	133	324	698	2.1K	4.22K	8.66K	20K	46.4K	147K	604K
42.2	137	332	715	2.15K	4.32K	8.9K	20.5K	47.5K	150K	681K
43.2	140	340	750	2.21K	4.42K	9.31K	21K	49.9K	162K	750K
46.4	143	348	768	2.32K	4.64K	9.53K	22.1K	51.1K	178K	806K
47.5	147	357	787	2.37K	4.75K	9.76K	22.6K	60.4K	182K	825K
48.7	150	365	825	2.43K	4.87K	10K	23.2K	61.9K	187K	1.0M
49.9	158	374	866	2.49K	4.99K	10.2K	23.7K	63.4K	196K	
51.1	169	383	909	2.55K	5.11K	10.7K	24.3K	64.9K	200K	
56.2	174	392	1.0K	2.61K	5.23K	11K	24.9K	66.5K	215K	
60.4	178	402	1.1K	2.67K	5.49K	11.3K	26.1K	68.1K	221K	
61.9	182	422	1.13K	2.74K	5.62K	11.5K	26.7K	69.8K	226K	

† These are stocked values, other E-96 values available, call (800) 346-6873 for more details.

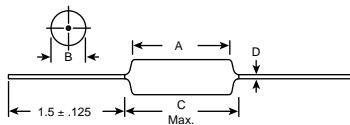
MODEL CMF, TYPE RN 1% METAL FILM RESISTORS

Features:

- Very low noise
- Excellent high frequency characteristics
- MIL-R-10509
- Very low voltage coefficient
- Flame retardant epoxy coating

DIMENSIONS (IN.)

Series	A	B	C	D
RN55D	.240 \pm .020	.090 \pm .008	.278	.025 \pm .002
RN60D	.344 \pm .031	.145 \pm .015	.425	.025 \pm .002
RN65D	.562 \pm .031	.180 \pm .015	.687	.025 \pm .002



CMF55/RN55D, 1/8W

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each			
		1	50	100	500
71-RN55D-F-Value	10-499K	.16	.11	.09	.075
71-RN55D-F-Value	511K-1M	.18	.12	.10	.083

CMF60/RN60D, 1/4W

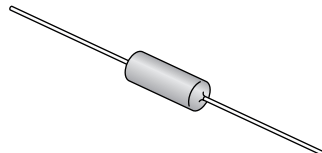
For quantities greater than listed, call for quote.

71-RN60D-F-Value	10-1M	.21	.18	.16	.09
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CMF65/RN65D, 1/2W

For quantities greater than listed, call for quote.

71-RN65D-F-Value	10-1M	.32	.28	.24	.22
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10	80.6	432	1.69K	4.32K	8.87K	22.6K	46.4K	124K	560K
12.1	90.9	475	1.82K	4.64K	9.09K	23.2K	47.5K	150K	562K
15	100	499	2.0K	4.75K	9.1K	24K	49.9K	158K	620K
20	121	511	2.15K	4.99K	9.31K	24.9K	51.1K	182K	750K
22.1	133	523	2.21K	5.11K	10K	25.5K	52.3K	200K	806K
24.9	150	562	2.32K	5.23K	10.5K	26.7K	54.9K	221K	820K
27.4	182	681	2.37K	5.36K	10.7K	27K	56.2K	226K	909K
30.1	200	732	2.49K	5.62K	11.3K	27.4K	57.6K	249K	910K
33.2	215	750	2.61K	6.04K	12.1K	28.7K	66.5K	267K	1M
34.8	221	806	2.74K	6.19K	13K	30K	68.1K	274K	
37.4	232	825	2.87K	6.2K	13.3K	30.1K	69.8K	301K	
39.2	243	909	2.94K	6.34K	15K	30.9K	71.5K	348K	
40.2	249	1.0K	3.01K	6.81K	16K	32.4K	75K	360K	
43.2	274	1.05K	3.09K	6.98K	17.4K	33K	80.6K	390K	
45.3	301	1.1K	3.16K	7.5K	17.8K	33.2K	84.5K	402K	
47.5	316	1.21K	3.24K	7.68K	18K	34.8K	90.9K	430K	
49.9	332	1.24K	3.32K	7.87K	18.2K	38.3K	97.6K	432K	
51.1	348	1.27K	3.48K	8.06K	19.6K	39.2K	100K	470K	
56.2	392	1.4K	3.65K	8.2K	20K	41.2K	105K	475K	
61.9	402	1.5K	3.92K	8.25K	22K	42.2K	110K	499K	
75	422	1.54K	4.02K	8.8K	22.1K	43.2K	121K	511K	



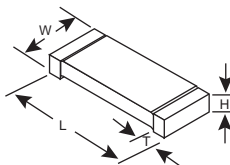
Vishay Power Resistors



WSL SERIES POWER METAL STRIP® RESISTORS LOW VALUE SURFACE MOUNT

Features:

- Ideal for current sensing, voltage division and pulse applications
- All welded construction
- 60/40 tin/lead copper terminations
- Solid metal Nickel-chrome or Manganese-copper alloy resistive element
- Very low inductance 0.5nH to 5nH
- Proprietary technique produces extremely low resistance values
- Excellent frequency response
- Low thermal EMF
- Tolerance 1% standard



Dimensions (In.)

Model	Resistance Range Ω	L ± 0.010	W ± 0.010	H ± 0.010	T ± 0.010
WSL0805	0.01 - 0.2	0.080	0.050	0.013	0.015
WSL1206	0.002 - 0.2	0.126	0.063	0.025	0.020
WSL2010	0.001 - 0.0069	0.200	0.100	0.025	0.058
WSL2512	0.007 - 0.5	0.200	0.100	0.025	0.020
	0.001 - 0.0049	0.250	0.125	0.025	0.087
	0.005 - 0.0069	0.250	0.125	0.025	0.047
	0.007 - 0.5	0.250	0.125	0.025	0.030

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				
			1	100	500	1000	2000
1206 size 1/4 watt							
71-WSL1206-0.01	WSL1206R0100FBA	0.01	.80	.64	.52	.50	.48
71-WSL1206-0.012	WSL1206R0120FBA	0.012	.80	.64	.52	.50	.48
71-WSL1206-0.015	WSL1206R0150FBA	0.015	.80	.64	.52	.50	.48
71-WSL1206-0.02	WSL1206R0200FBA	0.02	.80	.64	.52	.50	.48
71-WSL1206-0.025	WSL1206R0250FBA	0.025	.80	.64	.52	.50	.48
71-WSL1206-0.03	WSL1206R0300FBA	0.03	.80	.64	.52	.50	.48
71-WSL1206-0.033	WSL1206R0330FBA	0.033	.80	.64	.52	.50	.48
71-WSL1206-0.04	WSL1206R0400FBA	0.04	.80	.64	.52	.50	.48
71-WSL1206-0.05	WSL1206R0500FBA	0.05	.80	.64	.52	.50	.48
71-WSL1206-0.06	WSL1206R0600FBA	0.06	.80	.64	.52	.50	.48
71-WSL1206-0.08	WSL1206R0800FBA	0.08	.68	.54	.44	.42	.40
71-WSL1206-0.1	WSL1206R1000FBA	0.1	.68	.54	.44	.42	.40
71-WSL1206-0.15	WSL1206R1500FBA	0.15	.68	.54	.44	.42	.40
2010 size 1/2 watt							
71-WSL2010-0.005	WSL2010R0050FBA	0.005	1.30	1.04	.84	.82	.81
71-WSL2010-0.007	WSL2010R0070FBA	0.007	1.30	1.04	.84	.82	.81
71-WSL2010-0.008	WSL2010R0080FBA	0.008	1.30	1.04	.84	.82	.81
71-WSL2010-0.01	WSL2010R0100FBA	0.01	.90	.72	.58	.56	.55
71-WSL2010-0.012	WSL2010R0120FBA	0.012	.90	.72	.58	.56	.55
71-WSL2010-0.015	WSL2010R0150FBA	0.015	.90	.72	.58	.56	.55
71-WSL2010-0.018	WSL2010R0180FBA	0.018	.90	.72	.58	.56	.55
71-WSL2010-0.02	WSL2010R0200FBA	0.02	.90	.72	.58	.56	.55
71-WSL2010-0.025	WSL2010R0250FBA	0.025	.90	.72	.58	.56	.55
71-WSL2010-0.03	WSL2010R0300FBA	0.03	.90	.72	.58	.56	.55
71-WSL2010-0.033	WSL2010R0330FBA	0.033	.90	.72	.58	.56	.55
71-WSL2010-0.035	WSL2010R0350FBA	0.035	.90	.72	.58	.56	.55
71-WSL2010-0.04	WSL2010R0400FBA	0.04	.90	.72	.58	.56	.55
71-WSL2010-0.05	WSL2010R0500FBA	0.05	.90	.72	.58	.56	.55
71-WSL2010-0.058	WSL2010R0580FBA	0.058	.90	.72	.58	.56	.55
71-WSL2010-0.068	WSL2010R0680FBA	0.068	.90	.72	.58	.56	.55
71-WSL2010-0.075	WSL2010R0750FBA	0.075	.75	.60	.48	.45	.44
71-WSL2010-0.1	WSL2010R1000FBA	0.1	.75	.60	.48	.45	.44
71-WSL2010-0.12	WSL2010R1200FBA	0.12	.75	.60	.48	.45	.44
71-WSL2010-0.15	WSL2010R1500FBA	0.15	.75	.60	.48	.45	.44
71-WSL2010-0.18	WSL2010R1800FBA	0.18	.75	.60	.48	.45	.44
71-WSL2010-0.2	WSL2010R2000FBA	0.2	.75	.60	.48	.45	.44
71-WSL2010-0.22	WSL2010R2200FBA	0.22	.75	.60	.48	.45	.44
71-WSL2010-0.25	WSL2010R2500FBA	0.25	.75	.60	.48	.45	.44
71-WSL2010-0.27	WSL2010R2700FBA	0.27	.75	.60	.48	.45	.44
71-WSL2010-0.3	WSL2010R3000FBA	0.3	.75	.60	.48	.45	.44
71-WSL2010-0.332	WSL2010R3320FBA	0.332	.75	.60	.48	.45	.44

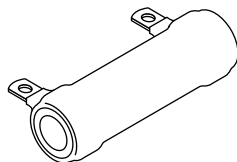
For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				
			1	100	500	1000	2000
71-WSL2010-0.47	WSL2010R4700FBA	0.47	.75	.60	.48	.45	.44
71-WSL2010-0.5	WSL2010R5000FBA	0.5	.75	.60	.48	.45	.44
2512 size 1 watt							
71-WSL2512-0.003	WSL2512R0030FBA	0.003	1.40	1.12	.90	.85	.82
71-WSL2512-0.004	WSL2512R0040FBA	0.004	1.40	1.12	.90	.85	.82
71-WSL2512-0.005	WSL2512R0050FBA	0.005	1.35	1.08	.87	.82	.80
71-WSL2512-0.006	WSL2512R0060FBA	0.006	1.35	1.08	.87	.82	.80
71-WSL2512-0.007	WSL2512R0070FBA	0.007	1.35	1.08	.87	.82	.80
71-WSL2512-0.0075	WSL2512R0075FBA	0.0075	1.35	1.08	.87	.82	.80
71-WSL2512-0.009	WSL2512R0090FBA	0.009	1.35	1.08	.87	.82	.80
71-WSL2512-0.01	WSL2512R0100FBA	0.01	.93	.74	.60	.58	.56
71-WSL2512-0.012	WSL2512R0120FBA	0.012	.93	.74	.60	.58	.56
71-WSL2512-0.015	WSL2512R0150FBA	0.015	.93	.74	.60	.58	.56
71-WSL2512-0.016	WSL2512R0160FBA	0.016	.93	.74	.60	.58	.56
71-WSL2512-0.02	WSL2512R0200FBA	0.02	.93	.74	.60	.58	.56
71-WSL2512-0.022	WSL2512R0220FBA	0.022	.93	.74	.60	.58	.56
71-WSL2512-0.024	WSL2512R0240FBA	0.024	.93	.74	.60	.58	.56
71-WSL2512-0.025	WSL2512R0250FBA	0.025	.93	.74	.60	.58	.56
71-WSL2512-0.027	WSL2512R0270FBA	0.027	.93	.74	.60	.58	.56
71-WSL2512-0.03	WSL2512R0300FBA	0.03	.93	.74	.60	.58	.56
71-WSL2512-0.033	WSL2512R0330FBA	0.033	.93	.74	.60	.58	.56
71-WSL2512-0.039	WSL2512R0390FBA	0.039	.93	.74	.60	.58	.56
71-WSL2512-0.04	WSL2512R0400FBA	0.04	.93	.74	.60	.58	.56
71-WSL2512-0.05	WSL2512R0500FBA	0.05	.93	.74	.60	.58	.56
71-WSL2512-0.056	WSL2512R0560FBA	0.056	.93	.74	.60	.58	.56
71-WSL2512-0.062	WSL2512R0620FBA	0.062	.93	.74	.60	.58	.56
71-WSL2512-0.068	WSL2512R0680FBA	0.068	.93	.74	.60	.58	.56
71-WSL2512-0.075	WSL2512R0750FBA	0.075	.80	.64	.52	.50	.48
71-WSL2512-0.08	WSL2512R0800FBA	0.08	.80	.64	.52	.50	.48
71-WSL2512-0.1	WSL2512R1000FBA	0.1	.80	.64	.52	.50	.48
71-WSL2512-0.12	WSL2512R1200FBA	0.12	.80	.64	.52	.50	.48
71-WSL2512-0.14	WSL2512R1400FBA	0.14	.80	.64	.52	.50	.48
71-WSL2512-0.15	WSL2512R1500FBA	0.15	.80	.64	.52	.50	.48
71-WSL2512-0.2	WSL2512R2000FBA	0.2	.80	.64	.52	.50	.48
71-WSL2512-0.22	WSL2512R2200FBA	0.22	.80	.64	.52	.50	.48
71-WSL2512-0.25	WSL2512R2500FBA	0.25	.80	.64	.52	.50	.48
71-WSL2512-0.3	WSL2512R3000FBA	0.3	.80	.64	.52	.50	.48
71-WSL2512-0.33	WSL2512R3300FBA	0.33	.80	.64	.52	.50	.48
71-WSL2512-0.4	WSL2512R4000FBA	0.4	.80	.64	.52	.50	.48
71-WSL2512-0.47	WSL2512R4700FBA	0.47	.80	.64	.52	.50	.48
71-WSL2512-0.5	WSL2512R5000FBA	0.5	.80	.64	.52	.50	.48

HL SERIES SILICONE WIREWOUND RESISTORS

Electrical Specifications:

- Resistance tolerance: ±5%
- Temperature coefficient: ±50PPM/°C, 1Ω to 9.9Ω
- ±30PPM/°C, 10Ω and above



Material Specifications:

- Core: Steatite. Chemically inert, will withstand severe thermal shock and is impervious to moisture

Applications:

Inexpensive dissipation of larger amounts of power in DC or low frequency AC circuits. Special applications include grid resistors, voltage dropping resistors, high bleeder resistor in power supplies, bias supply resistors, voltage divider networks, filament dropping resistors, load resistors, and shunt resistors.

Resistor Mounting Brackets

MOUSER STOCK NO.	Price Each
Horizontal Thru-Bolt	
71-101-25W	.74
71-101-50W	.74
71-102-100W	1.25
71-103-225W	2.26
Push-In	
71-203-25W	.24
71-203-50W	.24
71-206-100W	.31
71-205-225W	.34

Table of Values in (Ω)				
1.0	20	220	2.5K	50K
2.0	25	250	3.0K	100K
3.0	30	300	5.0K	150K
4.0	50	400	7.5K	
5.0	75	500	10K	
7.5	100	750	15K	
10	150	1.0K	20K	
15	200	2.0K	25K	



DIMENSIONS (IN.)

Series	A (Max.)	Core Dimensions			Terminal Setback	Standard Terminal Designation	Mounting Hardware Options
		Length ±1/16	O.D.	I.D. ±1/32			
HL-25	11/16	2	9/16	5/16	- - -	06	101, 203
HL-50	11/16	4	9/16	5/16	3/32	06	101, 203
HL-100	29/32	6 1/2	3/4	1/2	1/8	06	102, 206
HL-225	1 5/16	10 1/2	1 1/8	3/4	7/32	07	103, 205

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	10	25	50	
HL25, 25 Watts						
71-HL25-06Z-Value	1.0 - 5.0K	2.18	1.96	1.80	1.64	Call for Quote
71-HL25-06Z-Value	7.5K - 10K	2.50	2.25	2.06	1.88	
71-HL25-06Z-Value	15K - 25K	2.72	2.45	2.24	2.04	
71-HL25-06Z-Value	50K - 100K	5.88	5.29	4.85	4.41	
HL50, 50 Watts						
71-HL50-06Z-Value	1.0 - 1.0K	3.38	3.04	2.79	2.54	Call for Quote
71-HL50-06Z-Value	2.0K - 15K	3.44	3.10	2.84	2.58	
71-HL50-06Z-Value	20K - 25K	3.70	3.33	3.05	2.78	
71-HL50-06Z-Value	50K - 100K	4.44	4.00	3.66	3.33	
HL100, 100 Watts						
71-HL100-06Z-Value	1.0 - 1.0K	6.64	5.98	5.48	4.98	Call for Quote
71-HL100-06Z-Value	2.0K - 25K	6.94	6.25	5.73		

Xicon 1% and 5% Thick Film Surface Mount Resistors



XICON 5% THICK FILM SMD RESISTORS 0603/0805/1206 SIZE

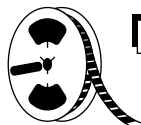
Features:

- High purity alumina substrate
- Wave or flow solderable
- Wrap around termination
- Excellent high frequency characteristics
- Tight temperature coefficient resistance

- Inner electrode protection
- Excellent mechanical strength
- Excellent electrical stability
- High quality thick film element
- Stable high frequency characteristics
- Reduced lead inductance

Common Specification:

- Temperature coefficient:
100Ω and below: ±500ppm
110Ω to 470KΩ: ±300ppm
510KΩ to 3.3MΩ: ±500ppm
3.6MΩ to 10MΩ: ±1000ppm



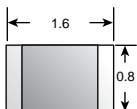
Resistor Pricing

Resistors ordered in lots of 1 reel per value can be combined with the same stock number range for lower price. Annual price agreements are also available. Call any Mouser Service Representative.



0603 Case Style Specifications:

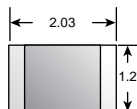
- Rated power: 1/16W
- Max working voltage: 50V
- Max overload voltage: 100V
- Operating temperature range: -55°C to +125°C



DIMENSIONS (mm)

0805 Case Style Specifications:

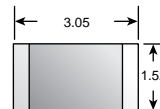
- Rated power: 1/10W
- Resistance tolerance: ±5%
- Max working voltage: 100V
- Max overload voltage: 200V
- Operating temperature: -55°C to +125°C



DIMENSIONS (mm)

1206 Case Style Specifications:

- Rated power: 1/8W
- Resistance tolerance: ±5%
- Max working voltage: 200V
- Max overload voltage: 300V
- Operating temperature: -55°C to +125°C



DIMENSIONS (mm)

Table of Values in Ω

0	1.8	3.6	6.8	13	27	51	100	200	390	750	1.5K	3K	5.6K	11K	22K	43K	82K	160K	330K	620K	1.2M	2.4M	4.7M	9.1M
1.0	2.0	3.9	7.5	15	30	56	110	220	430	820	1.6K	3.3K	6.2K	12K	24K	47K	91K	180K	360K	680K	1.3M	2.7M	5.1M	10M
1.1	2.2	4.3	8.2	16	33	62	120	240	470	910	1.8K	3.6K	6.8K	13K	27K	51K	100K	200K	390K	750K	1.5M	3M	5.6M	
1.2	2.4	4.7	9.1	18	36	68	130	270	510	1K	2K	3.9K	7.5K	15K	30K	56K	110K	220K	430K	820K	1.6M	3.3M	6.2M	
1.3	2.7	5.1	10	20	39	75	150	300	560	1.1K	2.2K	4.3K	8.2K	16K	33K	62K	120K	240K	470K	910K	1.8M	3.6M	6.8M	
1.5	3.0	5.6	11	22	43	82	160	330	620	1.2K	2.4K	4.7K	9.1K	18K	36K	68K	130K	270K	510K	1M	2M	3.9M	7.5M	
1.6	3.3	6.2	12	24	47	91	180	360	680	1.3K	2.7K	5.1K	10K	20K	39K	75K	150K	300K	560K	1.1M	2.2M	4.3M	8.2M	

Case Size	Bulk Packs				Reel Qty.	Tape and Reel			
	MOUSER STOCK NO.	Price Per Value				Price Each			
		1	100	1000		5000	10000	50000	100000
0603	301-Value	.11	.019	.009	5000	.008	.007	.006	.005
0805	260-Value	.08	.015	.007	5000	.005	.004	.003	.003
1206	263-Value	.08	.015	.007	5000	.005	.004	.003	.003

XICON 1% THICK FILM SMD RESISTORS 0805 AND 1206 SIZE

0805 Case Style Specifications:

- Rated power: 1/10W
- Resistance tolerance: ±1%
- Max working voltage: 100V
- Max overload voltage: 200V
- Operating temperature: -55°C to +125°C

1206 Case Style Specifications:

- Rated power: 1/8W
- Resistance tolerance: ±1%
- Max working voltage: 200V
- Max overload voltage: 300V
- Operating temperature: -55°C to +125°C

Common Specification:

- Temperature coefficient:
100Ω and below: ±300ppm
102Ω to 499KΩ: ±100ppm
511KΩ to 1.0MΩ: ±300ppm



DIMENSIONS (mm)

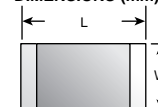


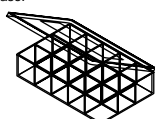
Table of Values in Ω

10	16.9	28.7	48.7	82.5	140	237	392	665	1.13K	1.91K	3.16K	5.36K	9.09K	15.4K	26.1K	43.2K	73.2K	124K	210K	348K	590K	1.0M
10.2	17.4	29.4	49.9	84.5	143	243	402	681	1.15K	1.96K	3.24K	5.49K	9.31K	15.8K	26.7K	44.2K	75K	127K	215K	357K	604K	
10.5	17.8	30.1	51.1	86.6	147	249	412	698	1.18K	2.0K	3.32K	5.62K	9.53K	16.2K	27.4K	45.3K	76.8K	130K	221K	365K	619K	
10.7	18.2	30.9	52.3	88.7	150	255	422	715	1.21K	2.05K	3.4K	5.76K	9.76K	16.5K	28K	46.4K	78.7K	133K	226K	374K	634K	
11	18.7	31.6	53.6	90.9	154	261	432	732	1.24K	2.1K	3.48K	5.9K	10K	16.9K	28.7K	47.5K	80.6K	137K	232K	383K	649K	
11.3	19.1	32.4	54.9	93.1	158	267	442	750	1.27K	2.15K	3.57K	6.04K	10.2K	17.4K	29.4K	48.7K	82.5K	140K	237K	392K	665K	
11.5	19.6	33.2	56.2	95.3	162	274	453	768	1.3K	2.21K	3.65K	6.19K	10.5K	17.8K	30K	49.9K	84.5K	143K	243K	402K	681K	
11.8	20	34	57.6	97.6	165	280	464	787	1.33K	2.26K	3.74K	6.34K	10.7K	18.2K	30.1K	51.1K	86.6K	147K	249K	412K	698K	
12.1	20.5	34.8	59	100	169	287	475	806	1.37K	2.32K	3.83K	6.49K	11.1K	18.7K	30.9K	52.3K	88.7K	150K	255K	422K	715K	
12.4	21	35.7	60.4	102	174	294	487	825	1.4K	2.37K	3.92K	6.65K	11.3K	19.1K	31.6K	53.6K	90.9K	154K	261K	432K	732K	
12.7	21.5	36.5	61.9	105	178	300	499	845	1.43K	2.43K	4.02K	6.81K	11.5K	19.6K	32.4K	54.9K	93.1K	158K	267K	442K	750K	
13	22.1	37.4	63.4	107	182	301	511	866	1.47K	2.49K	4.12K	6.98K	11.8K	20K	33.2K	56.2K	95.3K	162K	274K	453K	768K	
13.3	22.6	38.3	64.9	110	187	309	523	887	1.5K	2.55K	4.22K	7.15K	12.1K	20.5K	34K	57.6K	97.6K	165K	280K	464K	787K	
13.7	23.2	39.2	66.5	113	191	316	536	909	1.54K	2.61K	4.32K	7.32K	12.4K	21K	34.8K	59.0K	100K	169K	287K	475K	806K	
14	23.7	40.2	68.1	115	196	324	549	931	1.58K	2.67K	4.42K	7.5K	12.7K	21.5K	35.7K	60.4K	102K	174K	294K	487K	825K	
14.3	24.3	41.2	69.8	118	200	332	562	953	1.62K	2.74K	4.53K	7.68K	13K	22.1K	36.5K	61.9K	105K	178K	300K	499K	845K	
14.7	24.9	42.2	71.5	121	205	340	576	976	1.65K	2.8K	4.64K	7.87K	13.3K	22.6K	37.4K	63.4K	107K	182K	301K	511K	866K	
15	25.5	43.2	73.2	124	210	348	590	1.0K	1.69K	2.87K	4.75K	8.06K	13.7K	23.2K	38.3K	64.9K	110K	187K	309K	523K	887K	
15.4	26.1	44.2	75	127	215	357	604	1.02K	1.74K	2.94K	4.87K	8.25K	14K	23.7K	39.2K	66.5K	113K	191K	316K	536K	909K	
15.8	26.7	45.3	76.8	130	221	365	619	1.05K	1.78K	3.0K	4.99K	8.45K	14.3K	24.3K	40.2K	68.1K	115K	196K	324K	549K	931K	
16.2	27.4	46.4	78.7	133	226	374	634	1.07K	1.82K	3.01K	5.11K	8.66K	14.7K	24.9K	41.2K	69.8K	118K	200K	332K	562K	953K	
16.5	28	47.5	80.6	137	232	383	649	1.1K	1.87K	3.09K	5.23K	8.87K	15K	25.5K	42.2K	71.5K	121K	205K	340K	576K	976K	

Case Size	Bulk Packs				Reel Qty.	Tape and Reel					
	MOUSER STOCK NO.	Dimensions (mm)		Price Per Value			Price Each				
		L	W	1		100	1000	5000	10000	50000	100000
0805	292-Value	2.03	1.27	.09	.018	.009	5000	.008	.007	.006	.005
1206	290-Value	3.05	1.52	.09	.018	.011	5000	.010	.009	.008	.007

XICON THICK FILM SMD RESISTOR KITS

The SMD resistors for these kits are packaged in a continuous 100 pc. length on SMD tape. Each value is packaged in its own resealable plastic bag and placed within a 15 compartment compact storage case.



Features:

- Resistance tolerance: 5%
- Fully assembled and keyed for easy use.
- All items are regularly stocked
- Each bag labeled with value of resistor

Table of Values in Ω											
10	39	150	560	2.2K	8.2K	33K	120K	470K			
12	47	180	680	2.7K	10K	39K	150K	560K			
15	56	220	820	3.3K	12K	47K	180K	680K			
18	68	270	1K	3.9K	15K	56K	220K	820K			
22	82	330	1.2K	4.7K	18K	68K	270K	1M			
27	100	390	1.5K	5.6K	22K	82K	330K	2M			
33	120	470	1.8K	6.8K	27K	100K	390K				

MOUSER STOCK NO.	Case Size	Rated Power	Number of Values	Pieces Per Kit	Price Each	
					1	2
370-301-1	0603	1/16W	62	6200	188.95	179.95
370-260-1	0805	1/10W	62	6200	174.95	165.95
370-263-1	1206	1/8W	62	6200	164.95	155.95

Table of Values in Ω											
11	43	160	620	2.4K	9.1K	36K	130K	510K			
13	51	200	750	3K	11K	43K	160K	620K			
16	62	240	910	3.6K	13K	51K	200K	750K			
20	75	300	1.1K	4.3K	16K	62K	240K	910K			
24	91	360	1.3K	5.1K	20K	75K	300K	1.5M			
30	110	430	1.6K	6.2K	24K	91K	360K				
36	130	510	2K	7.5K	30K	110K	430K				

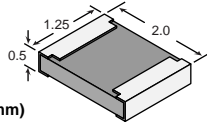
MOUSER STOCK NO.	Case Size	Rated Power	Number of Values	Pieces Per Kit	Price Each	
					1	2
370-301-2	0603	1/16W	61	6100	188.95	179.95
370-260-2	0805	1/10W	61	6100	174.95	165.95
370-263-2	1206	1/8W	61	6100	164.95	155.95

Kits, Precision Metal Film and Carbon Composition Resistors

tyco Electronics 1/10 WATT 0.1% 10PPM/°C 0805 SMD RESISTORS

Specifications:

- Tolerance: ±0.1%
- TCR: ±10PPM/°C
- Package size: 0805
- Operating voltage: 200VDC max.
- Power rating: 0.1W



DIMENSIONS (mm)

25PPM and 50PPM also available.
5000pc reels also available. Call for details.

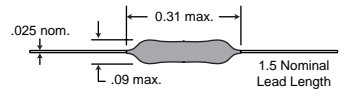
MOUSER STOCK NO.	Range of Values (Ω) See Table	Price Each				MOUSER STOCK NO.	Price Per Reel of 1000	
		1	50	100	500		1	2
279-RN73CA-Value	100 - 100K	1.60	1.40	.99	.72	279-RN73CA-Value/R	512.00	448.00

tyco Electronics 1/4 WATT 0.1% 25PPM/°C RESISTORS

Meets the requirement for economically priced components for industrial and military applications.

Specifications:

- Style: H8-J
- Tolerance: 0.1%
- Max operating voltage: 200V
- Temperature coefficient: 25PPM/°C
- Power rating @ 70°C: 1/4W



DIMENSIONS (IN.)

MOUSER STOCK NO.	Range of Values (Ω) See Table	Price Each			
		1	50	100	500
279-Value	10 - 1.0M	1.08	.90	.72	.54

E-96 Table of Values in Ω

10	17.4	30.1	52.3	90.9	158	274	475	825	1.43K	2.49K	4.32K	7.5K	13K	22.6K	39.2K	68.1K	118K	205K	357K	619K
10.2	17.8	30.9	53.6	93.1	162	280	487	845	1.47K	2.55K	4.42K	7.68K	13.3K	23.2K	40.2K	69.8K	121K	210K	365K	634K
10.5	18.2	31.6	54.9	95.3	165	287	499	866	1.5K	2.61K	4.53K	7.87K	13.7K	23.7K	41.2K	71.5K	124K	215K	374K	649K
10.7	18.7	32.4	56.2	97.6	169	294	511	887	1.54K	2.67K	4.64K	8.06K	14K	24.3K	42.2K	73.2K	127K	221K	383K	665K
11	19.1	33.2	57.6	100	174	301	523	909	1.58K	2.74K	4.75K	8.25K	14.3K	24.9K	43.2K	75K	130K	226K	392K	681K
11.3	19.6	34	59	102	178	309	536	931	1.62K	2.8K	4.87K	8.45K	14.7K	25.5K	44.2K	76.8K	133K	232K	402K	698K
11.5	20	34.8	60.4	105	182	316	549	953	1.65K	2.87K	4.99K	8.66K	15K	26.1K	45.3K	78.7K	137K	237K	412K	715K
11.8	20.5	35.7	61.9	107	187	324	562	976	1.69K	2.94K	5.11K	8.87K	15.4K	26.7K	46.4K	80.6K	140K	243K	422K	732K
12.1	21	36.5	63.4	110	191	332	576	1.0K	1.74K	3.01K	5.23K	9.09K	15.8K	27.4K	47.5K	82.5K	143K	249K	432K	750K
12.4	21.5	37.4	64.9	113	196	340	590	1.02K	1.78K	3.09K	5.36K	9.31K	16.2K	28K	48.7K	84.5K	147K	255K	442K	768K
12.7	22.1	38.3	66.5	115	200	348	604	1.05K	1.82K	3.16K	5.49K	9.53K	16.5K	28.7K	49.9K	86.6K	150K	261K	453K	787K
13	22.6	39.2	68.1	118	205	357	619	1.07K	1.87K	3.24K	5.62K	9.76K	16.9K	29.4K	51.1K	88.7K	154K	267K	464K	806K
13.3	23.2	40.2	69.8	121	210	365	634	1.1K	1.91K	3.32K	5.76K	10K	17.4K	30.1K	52.3K	90.9K	158K	274K	475K	825K
13.7	23.7	41.2	71.5	124	215	374	649	1.13K	1.96K	3.4K	5.9K	10.2K	17.8K	30.9K	53.6K	93.1K	162K	280K	487K	845K
14	24.3	42.2	73.2	127	221	383	665	1.15K	2.0K	3.48K	6.04K	10.5K	18.2K	31.6K	54.9K	95.3K	165K	287K	499K	866K
14.3	24.9	43.2	75	130	226	392	681	1.18K	2.05K	3.57K	6.19K	10.7K	18.7K	32.4K	56.2K	97.6K	169K	294K	511K	887K
14.7	25.5	44.2	76.8	133	232	402	698	1.21K	2.1K	3.65K	6.34K	11K	19.1K	33.2K	57.6K	100K	174K	301K	523K	909K
15	26.1	45.3	78.7	137	237	412	715	1.24K	2.15K	3.74K	6.49K	11.3K	19.6K	34K	59K	102K	178K	309K	536K	931K
15.4	26.7	46.4	80.6	140	243	422	732	1.27K	2.21K	3.83K	6.65K	11.5K	20K	34.8K	60.4K	105K	182K	316K	549K	953K
15.8	27.4	47.5	82.5	143	249	432	750	1.3K	2.26K	3.92K	6.81K	11.8K	20.5K	35.7K	61.9K	107K	187K	324K	562K	976K
16.2	28	48.7	84.5	147	255	442	768	1.33K	2.32K	4.02K	6.98K	12.1K	21K	36.5K	63.4K	110K	191K	332K	576K	1.0M
16.5	28.7	49.9	86.6	150	261	453	787	1.37K	2.37K	4.12K	7.15K	12.4K	21.5K	37.4K	64.9K	113K	196K	340K	590K	
16.9	29.4	51.1	88.7	154	267	464	806	1.4K	2.43K	4.22K	7.32K	12.7K	22.1K	38.3K	66.5K	115K	200K	348K	604K	

SMD Resistors

XICRON CARBON COMPOSITION RESISTORS 1/4 WATT AND 1/2 WATT ±5% TOLERANCE

Features:

- ±5% tolerance
- Predictable performance
- Low inductance
- Low capacitance
- Tape and reel available.

Different values of resistors within the same series, ordered in lots of 1000 pieces per value, may be combined to obtain lower pricing. Annual price agreements are also available. Call any Mouser Service Representative.

For quantities greater than listed, call for quote.

Watts (W)	MOUSER STOCK NO.	Values (Ω) See Table	Dimensions (mm)				Price Each Per Value			
			A	B	C	D +.02 - .005	1	100	1000	5000
1/4	30BJ250-Value	2.2 - 910K	6.4	27	2.5	0.6	.22	.08	.071	.063
1/4	30BJ250-Value	1M - 8.2M	6.4	27	2.5	0.6	.30	.18	.145	.117
1/2	30BJ500-Value	2.2 - 910K	9.5	25	3.5	0.74	.22	.10	.088	.077
1/2	30BJ500-Value	1M - 8.2M	9.5	25	3.5	0.74	.32	.19	.17	.15

For quantities greater than listed, call for quote.

Watts (W)	MOUSER STOCK NO.	Values (Ω) See Table	Quantity Per Reel	Price Per Reel		
				1	2	10
1/4	30BJ250-Value/REEL	2.2 - 910K	5000	315.00	310.00	305.00
1/4	30BJ250-Value/REEL	1M - 8.2M	5000	585.00	475.00	425.00
1/2	30BJ500-Value/REEL	2.2 - 910K	4000	308.00	304.00	300.00
1/2	30BJ500-Value/REEL	1M - 8.2M	4000	600.00	452.00	388.00

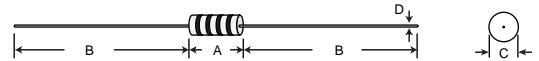
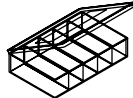


Table of Values in Ω

2.2	9.1	39	160	680	3.0K	12K	51K	220K	910K
2.4	10	43	180	750	3.3K	13K	56K	240K	1.0M
2.7	11	47	200	820	3.6K	15K	62K	270K	1.2M
3.0	12	51	220	910	3.9K	16K	68K	300K	1.5M
3.3	13	56	240	1.0K	4.3K	18K	75K	330K	1.8M
3.6	15	62	270	1.1K	4.7K	20K	82K	360K	2.2M
3.9	16	68	300	1.2K	5.1K	22K	91K	390K	2.4M
4.3	18	75	330	1.3K	5.6K	24K	100K	430K	2.7M
4.7	20	82	360	1.5K	6.2K	27K	110K	470K	3.3M
5.1	22	91	390	1.6K	6.8K	30K	120K	510K	3.9M
5.6	24	100	430	1.8K	7.5K	33K	130K	560K	4.7M
6.2	27	110	470	2.0K	8.2K	36K	150K	620K	5.6M
6.8	30	120	510	2.2K	9.1K	39K	160K	680K	6.8M
7.5	33	130	560	2.4K	10K	43K	180K	750K	8.2M
8.2	36	150	620	2.7K	11K	47K	200K	820K	

XICRON 1/4 WATT CARBON COMPOSITION RESISTOR KITS

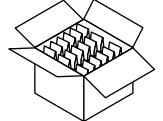
The 240 piece kits contain 10 each of 24 different values packaged in plastic bags with one value per bag. There are 4 values stored in each of the 6 compartments in the compact storage case.



MOUSER STOCK NO.	Range of Values Per Kit (Ω)	Price
370-BJ250-1	2.2, 2.7, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1.0K	17.95
370-BJ250-2	1.1K, 1.5K, 1.8K, 2.0K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	17.95
370-BJ250-3	100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 240K, 270K, 300K, 330K, 360K, 390K, 430K, 470K, 510K, 560K, 620K, 680K, 750K, 820K, 910K	17.95

XICRON 1/4 WATT CARBON COMPOSITION "C-PAC" RESISTOR ASSORTMENT

Kits 370-BJ250-1C, 370-BJ250-2C, and 370-BJ250-3C have 2400 pieces. The 2400 piece kits contain 100 each of 24 different values packaged in plastic bags with one value per bag.



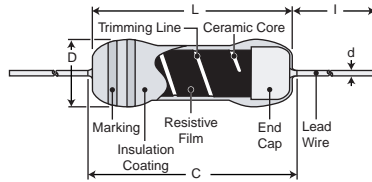
Kit 370-BJ250-C has 7200 pieces, 100 each of all values listed for kits 370-BJ250-1C, 370-BJ250-2C, and 370-BJ250-3C.

MOUSER STOCK NO.	Range of Values Per Kit (Ω)	Price
370-BJ250-1C	2.2, 2.7, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1.0K	139.95
370-BJ250-2C	1.1K, 1.5K, 1.8K, 2.0K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	139.95
370-BJ250-3C	100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 240K, 270K, 300K, 330K, 360K, 390K, 430K, 470K, 510K, 560K, 620K, 680K, 750K, 820K, 910K	139.95
370-BJ250-C	100 each of all values listed for kits 370-BJ250-1C, 370-BJ250-2C, and 370-BJ250-3C. (7200 pieces)	368.14

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Features:

- Suitable for automatic machine insertion
- Marking: Venetian red body color with color-coded bands on CF.



ORDERING INFORMATION

Type	Dimensions In. and (mm)				
	L	C (max.)	D	d (nom.)	I
CF1/4	.240±.02 (6.1±0.5)	.280 (7.1)	.091±.012 (2.3±0.3)	.024 (0.6)	.787 min. (20.0 min.)
CF1/2	.354±.039 (9.0±1.0)	.433 (11.0)	.138±0.2 (3.5±0.5)	.028 (0.7)	

ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

CF	1/4	L	T52	R	103	J
Type	Power Rating	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Tolerance
CF	1/4: 0.25W 1/2: 0.5W	L: Sn Pb	Axial: T52	R: Reel	2 significant figures + 1 multiplier "R" indicates decimal on value <10Ω	J: ±5%

1/4 Watt 5%

For quantities greater than listed, call for quote.

MOUSER BULK PART NO.		Value Range (see Value Table)	Bulk Pricing				MOUSER REEL PART NO.		Reel Qty.	Reel Qty. Price Each	10,000+
Mfr.	Mfr. Part No.		1	100	500	1000	Mfr.	Mfr. Part No.			
660	CF1/4L[value code]	0.47-0.68	.15	.08	.05	.03	660	CF1/4LT52R[value code]	5000	.021	Call for Quote
660	CF1/4L[value code]	1.0-5.1M	.05	.03	.02	.01	660	CF1/4LT52R[value code]	5000	.007	
660	CF1/4L[value code]	5.6M-10M	.08	.04	.03	.02	660	CF1/4LT52R[value code]	5000	.010	
660	CF1/4L[value code]	11M-22M	.19	.10	.06	.04	660	CF1/4LT52R[value code]	5000	.025	

1/2 Watt 5%

For quantities greater than listed, call for quote.

MOUSER BULK PART NO.		Value Range (see Value Table)	Bulk Pricing				MOUSER REEL PART NO.		Reel Qty.	Reel Qty. Price Each	8,000+
Mfr.	Mfr. Part No.		1	100	500	1000	Mfr.	Mfr. Part No.			
660	CF1/2L[value code]	0.5-0.68	.05	.04	.03	.02	660	CF1/2LT52R[value code]	4000	.011	Call for Quote
660	CF1/2L[value code]	1-5.10M	.05	.03	.02	.01	660	CF1/2LT52R[value code]	4000	.007	
660	CF1/2L[value code]	5.6m-10m	.08	.04	.03	.02	668	CF1/2LT52R[value code]	4000	.010	
660	CF1/2L[value code]	11M-22M	.19	.10	.06	.04	660	CF1/2LT52R[value code]	4000	.025	

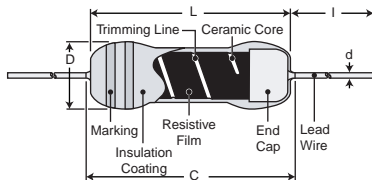
Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
0.47	R47J	24	240J	750	751J	24K	243J	750K	754J
0.5	R50J	27	270J	820	821J	27K	273J	820K	824J
0.68	R68J	30	300J	910	911J	30K	303J	910K	914J
1	1R0J	33	330J	1K	102J	33K	333J	1M	105J
1.1	1R1J	36	360J	1.1K	112J	36K	363J	1.1M	115J
1.2	1R2J	39	390J	1.2K	122J	39K	393J	1.2M	125J
1.3	1R3J	43	430J	1.3K	132J	43K	433J	1.3M	135J
1.5	1R5J	47	470J	1.5K	152J	47K	473J	1.5M	155J
1.6	1R6J	51	510J	1.6K	162J	51K	513J	1.6M	165J
1.8	1R8J	56	560J	1.8K	182J	56K	563J	2M	205J
2	2R0J	62	620J	2K	202J	62K	623J	2.2M	225J
2.2	2R2J	68	680J	2.2K	222J	68K	683J	2.4M	245J
2.4	2R4J	75	750J	2.4K	242J	75K	753J	2.7M	275J
2.7	2R7J	82	820J	2.7K	272J	82K	823J	3M	305J
3	3R0J	91	910J	3K	302J	91K	913J	3.3M	335J
3.3	3R3J	100	101J	3.3K	332J	100K	104J	3.6M	365J
3.6	3R6J	110	111J	3.6K	362J	110K	114J	3.9M	395J
3.9	3R9J	120	121J	3.9K	392J	120K	124J	4.3M	435J
4.3	4R3J	130	131J	4.3K	432J	130K	134J	4.7M	475J
4.7	4R7J	150	151J	4.7K	472J	150K	154J	5.1M	515J
5.1	5R1J	160	161J	5.1K	512J	160K	164J	5.6M	565J
5.6	5R6J	180	181J	5.6K	562J	180K	184J	6.2M	625J
6.2	6R2J	200	-	6.2K	622J	200K	204J	6.8M	685J
6.8	6R8J	220	221J	6.8K	682J	220K	224J	7.5M	755J
7.5	7R5J	240	241J	7.5K	752J	240K	244J	8.2M	825J
8.2	8R2J	270	271J	8.2K	822J	270K	274J	9.1M	915J
9.1	9R1J	300	-	9.1K	912J	300K	304J	10M	106J
10	100J	330	331J	10K	103J	330K	334J	11M	116J
11	110J	360	361J	11K	113J	360K	364J	15M	156J
12	120J	390	391J	12K	123J	390K	394J	18M	186J
13	130J	430	431J	13K	133J	430K	434J	20M	206J
15	150J	470	471J	15K	153J	470K	474J	22M	226J
16	160J	510	511J	16K	163J	510K	514J		
18	180J	560	561J	18K	183J	560K	564J		
20	200J	620	621J	20K	203J	620K	624J		
22	220J	680	681J	22K	223J	680K	684J		

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Features:

- Units meet or exceed the requirements of MIL-R-10509
- Suitable for automatic machine insertion
- Marking: Blue-gray body color with color-coded bands



ORDERING INFORMATION

Type	Dimensions In. and (mm)				
	L	C (max.)	D	d (nom.)	l
MF1/4	.248 (6.3)	.280 (7.1)	.091±.012 (2.3±0.3)	.024±.002 (0.6±0.05)	1.18±.118 (30.0±3.0)
MF1/2	.374 (9.5)	.437 (11.1)	.138±.016 (3.5±0.4)		



ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

MF	1/4	D	L	T52	R	1002	F
Type	Power Rating	T.C.R.	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Tolerance
MF	1/4: 0.25W 1/2: 0.5W	C±50 D±100	L: SnPb	T52	R: Reel	3 significant figures + 1 multiplier "R" indicates decimal on value<10x.	F:±1.0%

For quantities greater than listed, call for quote.

MOUSER BULK PART NO.		TCR	Value Range (see Value Table)	Watt	Tolerance	Bulk Pricing				MOUSER REEL PART NO.		Reel Qty.	Reel Qty. Price Each
Mfr.	Mfr. Part No.					1	100	500	1000	Mfr.	Mfr. Part No.		
1/4 Watt 1%													
660	MF1/4CL[value code]	50	1-49.9 51.1-2.21M	1/4	1%	.17 .12	.15 .10	.12 .08	.09 .07	660	MF1/4CLT52R[value code]	5000	.08 .05
660	MF1/4DL[value code]	100	10-2.21M	1/4	1%	.03	.02	.019	.015	660	MF1/4DLT52R[value code]	5000	.012
1/2 Watt 1%													
660	MF1/2CL[value code]	50	1-49.9 51.1-1M	1/2	1%	.17 .14	.15 .12	.12 .10	.09 .08	660	MF1/2CLT52R[value code]	4000	.08 .06
660	MF1/2DL[value code]	100	1M-2.21M	1/2	1%	.20	.17	.13	.11		4000	.09	
660	MF1/2DL[value code]	100	10-2.21M	1/2	1%	.24	.21	.16	.13	660	MF1/2DLT52R[value code]	4000	.11

Table of Stocked Values

Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
1	1R00F	475	4750F	2.21K	2211F	6.19K	6191F	16.9K	1692F	45.3K	4532F	150K	1503F
2	2R00F	499	4990F	2.32K	2321F	6.49K	6491F	17.4K	1742F	46.4K	4642F	158K	1583F
10	10R0F	511	5110F	2.37K	2371F	6.65K	6651F	17.8K	1782F	47K	4702F	162K	1623F
20	20R0F	562	5620F	2.43K	2431F	6.81K	6811F	18K	1802F	47.5K	4752F	169K	1693F
22.1	22R1F	604	6040F	2.49K	2491F	6.98K	6981F	18.2K	1822F	49.9K	4992F	178K	1783F
24.3	24R3F	619	6190F	2.67K	2671F	7.15K	7151F	18.7K	1872F	51.1K	5112F	182K	1823F
30.1	30R1F	665	6650F	2.74K	2741F	7.32K	7321F	19.1K	1912F	52.3K	5232F	200K	2003F
33.2	33R2F	680	6800F	2.8K	2801F	7.5K	7501F	19.6K	1962F	56.2K	5622F	205K	2053F
39.2	39R2F	681	6810F	2.87K	2871F	7.68K	7681F	20K	2002F	59K	5902F	210K	2103F
47	47R0F	698	6980F	2.94K	2941F	7.87K	7871F	20.5K	2052F	60.4K	6042F	221K	2213F
47.5	47R5F	732	7320F	3.01K	3011F	8.06K	8061F	21.5K	2152F	61.9K	6192F	226K	2263F
49.9	49R9F	750	7500F	3.24K	3241F	8.25K	8251F	22.1K	2212F	63.4K	6342F	249K	2493F
51.1	51R1F	768	7680F	3.32K	3321F	8.45K	8451F	22.6K	2262F	66.5K	6652F	261K	2613F
61.9	61R9F	806	8060F	3.4K	3401F	8.66K	8661F	23.7K	2372F	68.1K	6812F	267K	2673F
68.1	68R1F	825	8250F	3.48K	3481F	9.09K	9091F	24.3K	2432F	69.8K	6982F	274K	2743F
75	75R0F	887	8870F	3.57K	3571F	9.31K	9311F	24.9K	2492F	71.5K	7152F	280K	2803F
82.5	82R5F	909	9090F	3.65K	3651F	9.53K	9531F	25.5K	2552F	75K	7502F	294K	2943F
100	1000F	953	9530F	3.74K	3741F	10K	1002F	26.1K	2612F	76.8K	7682F	301K	3013F
121	1210F	976	9760F	3.83K	3831F	10.2K	1022F	26.7K	2672F	80.6K	8062F	332K	3323F
130	1300F	1K	1001F	3.92K	3921F	10.5K	1052F	27.4K	2742F	82.5K	8252F	392K	3923F
150	1500F	1.1K	1101F	4.02K	4021F	10.7K	1072F	28K	2802F	84.5K	8452F	464K	4643F
182	1820F	1.21K	1211F	4.22K	4221F	11K	1102F	28.7K	2872F	86.6K	8662F	470K	4703F
200	2000F	1.3K	1301F	4.42K	4421F	11.3K	1132F	30.1K	3012F	88.7K	8872F	475K	4753F
221	2210F	1.33K	1331F	4.53K	4531F	11.5K	1152F	30.9K	3092F	90.9K	9092F	499K	4993F
237	2370F	1.47K	1471F	4.64K	4641F	12K	1202F	31.6K	3162F	93.1K	9312F	511K	5113F
249	2490F	1.5K	1501F	4.7K	4701F	12.1K	1212F	32.4K	3242F	100K	1003F	562K	5623F
261	2610F	1.58K	1581F	4.75K	4751F	12.4K	1242F	33.2K	3322F	102K	1023F	681K	6813F
274	2740F	1.78K	1781F	4.87K	4871F	12.7K	1272F	34K	3402F	110K	1103F	1M	1004F
287	2870F	1.82K	1821F	4.99K	4991F	13K	1302F	35.7K	3572F	115K	1153F	1.5M	1504F
301	3010F	1.87K	1871F	5.1K	5101F	13.3K	1332F	36.5K	3652F	121K	1213F	1.82M	1824F
332	3320F	1.96K	1961F	5.11K	5111F	14K	1402F	37.4K	3742F	124K	1243F	2M	2004F
348	3480F	2K	2001F	5.36K	5361F	14.3K	1432F	38.3K	3832F	127K	1273F	2.21M	2214F
357	3570F	2.05K	2051F	5.49K	5491F	15K	1502F	39.2K	3922F	130K	1303F		
392	3920F	2.1K	2101F	5.62K	5621F	15.4K	1542F	40.2K	4022F	133K	1333F		
464	4640F	2.15K	2151F	5.76K	5761F	15.8K	1582F	42.2K	4222F	143K	1433F		
470	4700F	2.2K	2201F	5.9K	5901F	16.2K	1622F	43.2K	4322F	147K	1473F		

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Xicon 1% Metal Film and 5% Carbon Film Resistors



1% METAL FILM RESISTORS

- Temperature coefficient: ±50 ppm/°C
- Low noise
- Epoxy coated for environmental protection

Resistor Discounts

Different values of resistors within the same series, ordered in lots of 1000 pieces per value, may be combined to obtain lower pricing. Annual price agreements are also available. Call any Mouser Service Representative.

Table of Values in Ω

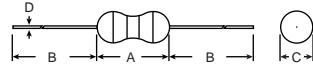
10	18.7	33	56.2	100	187	332	562	1K	1.87K	3.32K	5.9K	10.5K	19.6K	34K	59K	107K	196K	348K	619K
10.2	19.1	33.2	57.6	102	191	340	565	1.02K	1.91K	3.4K	6.04K	10.7K	20K	34.8K	60.4K	110K	200K	357K	620K
10.5	19.6	34	59	105	196	348	576	1.05K	1.96K	3.48K	6.19K	11K	20.5K	35.7K	61.9K	113K	205K	360K	634K
10.7	20	34.8	60.4	107	200	350	590	1.07K	2K	3.57K	6.2K	11.3K	21K	36K	62K	115K	210K	365K	649K
11	20.5	35.7	61.9	110	205	357	604	1.1K	2.05K	3.6K	6.34K	11.5K	21.5K	36.5K	63.4K	118K	215K	374K	665K
11.3	21	36	62	113	210	360	619	1.13K	2.1K	3.65K	6.49K	11.8K	22K	37.4K	64.9K	120K	220K	383K	680K
11.5	21.5	36.5	63.4	115	215	365	620	1.15K	2.15K	3.74K	6.65K	12K	22.1K	38.3K	66.5K	121K	221K	390K	681K
11.8	22	37.4	64.9	118	220	374	634	1.18K	2.2K	3.83K	6.8K	12.1K	22.6K	39K	68K	124K	226K	392K	698K
12	22.1	38.3	66.5	120	221	383	649	1.2K	2.21K	3.9K	6.81K	12.4K	23.2K	39.2K	68.1K	127K	232K	402K	715K
12.1	22.6	39	68	121	226	390	665	1.21K	2.26K	3.92K	6.98K	12.7K	23.7K	40.2K	69.8K	130K	237K	412K	732K
12.4	23.2	39.2	68.1	124	232	392	680	1.24K	2.32K	4.02K	7.15K	13K	24K	41.2K	71.5K	133K	240K	422K	750K
12.7	23.7	40.2	69.8	127	237	402	681	1.27K	2.37K	4.12K	7.32K	13.3K	24.3K	42.2K	73.2K	137K	243K	430K	768K
13	24	41.2	71.5	130	240	412	698	1.3K	2.4K	4.22K	7.5K	13.7K	24.9K	43K	75K	140K	249K	432K	787K
13.3	24.3	42.2	73.2	133	243	422	715	1.33K	2.43K	4.32K	7.68K	14K	25.5K	43.2K	76.8K	143K	255K	442K	806K
13.7	24.7	43	75	137	249	430	732	1.37K	2.49K	4.42K	7.87K	14.3K	26.1K	44.2K	78.7K	147K	261K	453K	820K
14	24.9	43.2	75.5	140	255	432	750	1.4K	2.55K	4.53K	8.06K	14.7K	26.7K	45.3K	80.6K	150K	267K	464K	825K
14.3	25.5	44.2	76.8	143	261	442	768	1.43K	2.61K	4.64K	8.2K	15K	27K	46.4K	82K	154K	270K	470K	845K
14.7	26.1	45.3	78.7	147	267	453	787	1.47K	2.67K	4.7K	8.25K	15.4K	27.4K	47K	82.5K	158K	274K	475K	866K
15	26.7	46.4	80.6	150	270	464	806	1.5K	2.7K	4.75K	8.45K	15.8K	28K	47.5K	84.5K	160K	280K	487K	887K
15.4	27	47	82	154	274	470	820	1.54K	2.74K	4.87K	8.66K	16K	28.7K	48.7K	86.6K	162K	287K	499K	909K
15.8	27.4	47.5	82.5	158	280	475	825	1.58K	2.8K	4.99K	8.8K	16.2K	29.4K	49.7K	88.7K	165K	294K	511K	910K
16	28	48.7	84.5	160	287	487	845	1.6K	2.87K	5.1K	8.87K	16.5K	30K	51K	90.9K	169K	300K	523K	931K
16.2	28.7	49.9	86.6	162	294	499	866	1.62K	2.94K	5.11K	9.09K	16.9K	30.1K	51.1K	91K	174K	301K	536K	953K
16.5	29.4	51	88.7	165	300	510	887	1.65K	3.0K	5.23K	9.1K	17.4K	30.9K	52.3K	93.1K	178K	309K	549K	976K
16.9	30	51.1	90.9	169	301	511	909	1.69K	3.01K	5.36K	9.31K	17.8K	31.6K	53.6K	95.3K	180K	316K	560K	1.0M
17.4	30.1	52.3	91	174	309	523	910	1.74K	3.09K	5.49K	9.53K	18K	32.4K	54.9K	97.6K	182K	324K	576K	1.5M
17.8	30.9	53.6	93.1	178	316	536	931	1.78K	3.16K	5.6K	9.76K	18.2K	33K	56K	100K	187K	330K	576K	2.2M
18	31.6	54.9	95.3	180	324	549	953	1.8K	3.24K	5.62K	10K	18.7K	33.2K	56.2K	102K	191K	332K	590K	
18.2	32.4	56	97.6	182	330	560	976	1.82K	3.3K	5.76K	10.2K	19.1K	33.6K	57.6K	105K	192K	340K	604K	



W.V. = $\sqrt{P \cdot R}$
 W.V. = Working Voltage
 P = Power (rated in watts)
 R = Resistance (rated in ohms)
 Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

How to Order:

Suffix	Description	Example
/AP	Bulk Ammo Pack	Prefix-Value
/REEL	Tape and Reel	Prefix-Value/AP Prefix-Value/REEL



MOUSER STOCK NO.	Watt Size	Max. Working Voltage	Dimensions (mm)			
			A	B	C	D
270-VALUE	1/8	200	4.2	28.0	2.0	0.6
271-VALUE	1/4	250	6.8	28.0	2.5	0.6
273-VALUE	1/2	350	10.0	28.0	3.5	0.6

MOUSER STOCK NO.	Watt Size	Range of Values	Price per Piece		Bulk			Ammo Pack Qty.	Ammo Pack Price per Box			Tape and Reel Qty.	Tape and Reel Price per Reel			
			10	200	1000	5000	10000		1	5	10		1	2	10	20
			270-VALUE	1/8	10-2.2M	0.11	0.05		0.017	0.016	0.015		2000	33.5	29.50	28.50
271-VALUE	1/4	10-2.2M	0.09	0.02	0.012	0.011	0.010	1000	11.50	10.50	9.50	5000	54.50	49.50	47.50	43.95

MOUSER STOCK NO.	Watt Size	Range of Values	Price per Piece		Bulk			Ammo Pack Qty.	Ammo Pack Price per Box			Tape and Reel Qty.	Tape and Reel Price per Reel			
			10	100	1000	5000	10000		1	5	10		1	3	16	33
			273-VALUE	1/2	10-2.2M	0.12	0.06		0.025	0.024	0.022		1000	24.50	23.50	21.50



5% CARBON FILM RESISTORS

- Features:**
- Use instead of carbon composition in low pulse applications
 - Low cost
 - Epoxy coated for environmental protection

Resistor Discounts

Different values of resistors within the same series, ordered in lots of 1000 pieces per value, may be combined to obtain lower pricing. Annual price agreements are also available. Call any Mouser Service Representative.

Table of Values in Ω

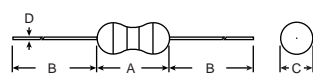
0	2.4	6.8	20	56	160	470	1.3K	3.6K	10K	30K	82K	240K	680K	2M	5.6M
0.5	2.7	7.5	22	62	180	510	1.5K	3.9K	11K	33K	91K	270K	750K	2.2M	6.2M
1.0	3.0	8.2	24	68	200	560	1.6K	4.3K	12K	36K	100K	300K	820K	2.4M	6.8M
1.1	3.3	9.1	27	75	220	620	1.8K	4.7K	13K	39K	110K	330K	910K	2.7M	7.5M
1.2	3.6	10	30	82	240	680	2K	5.1K	15K	43K	120K	360K	1M	3M	8.2M
1.3	3.9	11	33	91	270	750	2.2K	5.6K	16K	47K	130K	390K	1.1M	3.3M	9.1M
1.5	4.3	12	36	100	300	820	2.4K	6.2K	18K	51K	150K	430K	1.2M	3.6M	10M
1.6	4.7	13	39	110	330	910	2.7K	6.8K	20K	56K	160K	470K	1.3M	3.9M	15M
1.8	5.1	15	43	120	360	1K	3K	7.5K	22K	62K	180K	510K	1.5M	4.3M	22M
2.0	5.6	16	47	130	390	1.1K	3.2K	8.2K	24K	68K	200K	560K	1.6M	4.7M	
2.2	6.2	18	51	150	430	1.2K	3.3K	9.1K	27K	75K	220K	620K	1.8M	5.1M	



W.V. = $\sqrt{P \cdot R}$
 W.V. = Working Voltage
 P = Power (rated in watts)
 R = Resistance (rated in ohms)
 Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

How to Order:

Suffix	Description	Example
/AP	Bulk Ammo Pack	Prefix-Value
/REEL	Tape and Reel	Prefix-Value/AP Prefix-Value/REEL



MOUSER STOCK NO.	Watt Size	Max. Working Voltage	Dimensions (mm)			
			A	B	C	D
299-VALUE	1/8	200	4.2	28.0	2.0	0.5
291-VALUE	1/4	250	6.8	28.0	2.5	0.6
291-VALUE	1/4	250	6.8	28.0	2.5	0.6
293-VALUE	1/2	350	10.0	28.0	3.5	0.6
294-VALUE	1	500	12.0	28.0	5.0	0.8

MOUSER STOCK NO.	Watt Size	Range of Values	Price per Piece		Bulk			Ammo Pack Qty.	Ammo Pack Price per Box			Tape and Reel Qty.	Tape and Reel Price per Reel			
			10	200	1000	5000	10000		1	5	10		1	2	10	20
			299-VALUE	1/8	0-10M	0.08	0.014		0.007	0.006	0.005		2000	12.80	9.50	8.50
291-VALUE	1/4	0.5-10M	0.07	0.009	0.006	0.005	0.004	1000	5.80	4.75	3.75	5000	24.50	19.50	18.50	17.50
291-VALUE	1/4	11M-22M	0.09	0.030	0.013	0.012	0.011	1000	12.80	11.50	10.50	5000	57.50	52.50	47.50	42.50

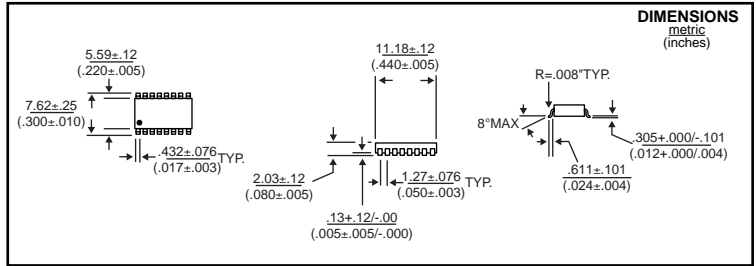
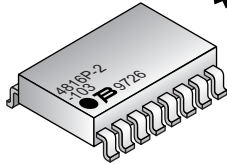
MOUSER STOCK NO.	Watt Size	Range of Values	Price per Piece		Bulk			Ammo Pack Qty.	Ammo Pack Price per Box			Tape and Reel Qty.	Tape and Reel Price per Reel			
			10	100	1000	5000	10000		1	5	10		1	3	16	33
			293-VALUE	1/2	0.5-10M	0.08	0.014		0.012	0.011	0.010		1000	11.50	10.50	9.50
294-VALUE	1	0.5-10M	0.14	0.050	0.036	0.035	0.032	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Leaded Resistors Xicon

BOURNS 4800P SERIES - THICK FILM SURFACE MOUNT RESISTOR NETWORKS

- Specifications:**
- Maximum Operating Voltage: 50V
 - Temperature Coefficient of Resistance: 50Ω and above = ±100ppm/°C below 50Ω = ±250ppm/°C
 - Operating Temperature: -55°C to +125°C
 - Insulation Resistance: 10,000 megohms min.
 - Dielectric Withstanding Voltage: 200 VRMS

- Package Power Rating at 70°C: 4816P: 1.28 watts



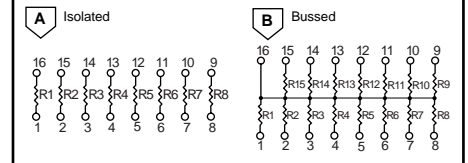
- Features:**
- Standard E.I.A. package compatible with automatic placement equipment
 - Standard Packaging 50 per tube
 - Marking on contrasting background for permanent identification
 - Compliant leads to reduce solder joint fatiguing
 - Standard electrical schematics: isolated, bussed

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	25	100	200	500
652-4816P-T01-Value	A	16	1.10	.96	.80	.70	.48
652-4816P-T02-Value	B	16	1.10	.96	.80	.70	.48

Table of Values (Ω)

22	82	330	1.2K	3.9K	15K	47K	180K	680K
27	100	390	1.5K	4.7K	18K	56K	220K	820K
33	120	470	1.8K	5.6K	20K	68K	270K	1M
39	150	560	2K	6.8K	22K	82K	330K	
47	180	680	2.2K	8.2K	27K	100K	390K	
56	220	820	2.7K	10K	33K	120K	470K	
68	270	1K	3.3K	12K	39K	150K	560K	



BOURNS 4100R SERIES - THICK FILM MOLDED DIPs

- Specifications:**
- Resistance range: 10Ω to 220K
 - Temperature coefficient: 50Ω to 2.2MΩ = ±100ppm/°C below 50Ω = ±250ppm/°C
 - Resistor Tolerance: 10 ohms to 49 ohms = ±1 ohm 50 ohms to 5 megohms = ±2%

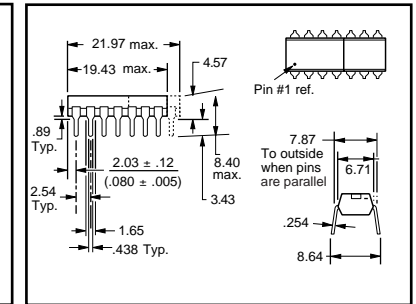
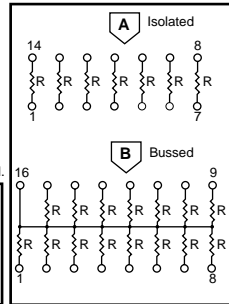
- Package Power Rating at 70°C
4114R: 2.00 watts
4116R: 2.25 watts

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	25	100	200	500
652-4114R-1-Value	A	14	.48	.40	.36	.34	.294
652-4114R-2-Value	B	14	.48	.40	.36	.34	.294
652-4116R-1-Value	A	16	.49	.41	.37	.35	.303
652-4116R-2-Value	B	16	.49	.41	.37	.35	.303

Table of stocked values (Ω). Other values avail.

10	180	560	2.2K	10K	47K
33	220	680	2.7K	15K	56K
39	270	1K	3.3K	18K	68K
100	330	1.2K	4.7K	22K	100K
120	390	1.5K	5.6K	27K	150K
150	470	2K	6.8K	33K	220K



BOURNS 4300R SERIES - THICK FILM MOLDED SIPs

- Specifications:**
- Resistance range: 10Ω to 1MΩ
 - Temperature coefficient: 50Ω to 2.2Ω ±100ppm/°C
 - Resistor Tolerance ±2%

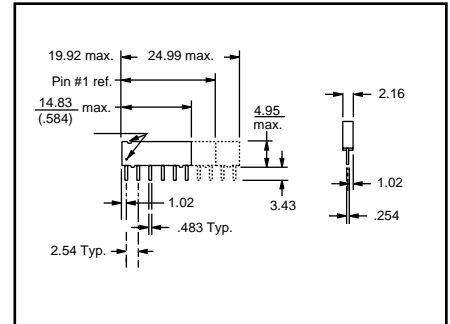
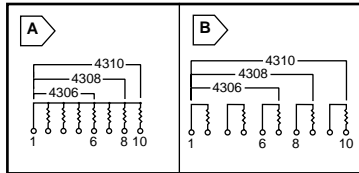
- Package Power Rating at 70°C
4306R: 0.75 watts
4308R: 1.00 watts
4310R: 1.25 watts

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins (N)	Price Each				
			1	25	100	200	500
652-4306R-101-Value	A	6	.47	.42	.35	.30	.259
652-4306R-102-Value	B	6	.47	.42	.35	.30	.259
652-4308R-101-Value	A	8	.54	.48	.34	.31	.268
652-4308R-102-Value	B	8	.54	.48	.34	.31	.268
652-4310R-101-Value	A	10	.65	.57	.41	.37	.320
652-4310R-102-Value	B	10	.65	.57	.41	.37	.320

Table of stocked values (Ω). Other values available.

22	100	270	680	1.8K	3.9K	10K	27K	68K
39	120	330	820	2K	4.7K	12K	33K	100K
47	150	390	1K	2.2K	5.6K	15K	39K	220K
56	180	470	1.2K	2.7K	6.8K	20K	47K	470K
68	220	560	1.5K	3.3K	8.2K	22K	56K	1M

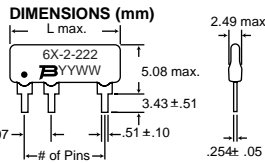


Also available in 9 and 11 pin configurations.

BOURNS 4600X SERIES CONFORMAL COATED SIP RESISTOR NETWORKS 2%

- Specifications:**
- Standard resistance range: 22Ω to 1MΩ
 - Standard resistance tolerance: 50Ω-5MΩ ±2% <49Ω=1Ω
 - Operating temperature range: -55°C to +125°C
 - Temperature coefficient of resistance: ±100ppm/°C (<50Ω = ±250ppm/°C)
 - Operating voltage: 100VDC max.
 - Insulation resistance: 10,000MΩ min.

- Features:**
- Low profile is compatible with dips
 - Ammo-pak packaging available
 - Recommended for rosin flux, and solvent clean or no clean flux process



No. of Pins	6	8	10
"L" Max. (mm)	15.19	20.27	25.35

Bussed Configuration

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Power Dissipation (W @ 70°C)		No. of Pins (N)	No. of Res.	Price Each				
		Per Circuit	Total Pkg. Max.			1	100	200	500	1000
652-4606X-101-Value	A	.20	.75	6	5	.19	.17	.15	.13	.11
652-4608X-101-Value	A	.20	1.00	8	7	.23	.21	.19	.17	.14
652-4610X-101-Value	A	.20	1.25	10	9	.29	.24	.22	.20	.17

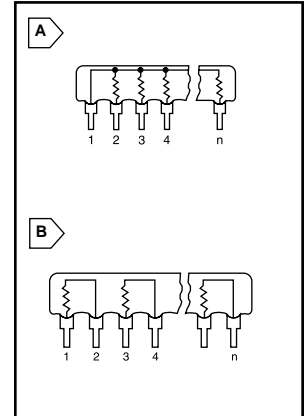
Isolated Configuration

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Power Dissipation (W @ 70°C)		No. of Pins (N)	No. of Res.	Price Each				
		Per Circuit	Total Pkg. Max.			1	100	200	500	1000
652-4606X-102-Value	B	.30	.75	6	3	.19	.17	.15	.13	.11
652-4608X-102-Value	B	.30	1.00	8	4	.23	.21	.19	.17	.14
652-4610X-102-Value	B	.30	1.25	10	5	.29	.24	.22	.20	.17

Table of Values (Ω)

22	1K	33K
27	1.2K	39K
33	1.5K	47K
39	1.8K	56K
47	2K	68K
56	2.2K	82K
68	2.7K	100K
82	3.3K	120K
100	3.9K	150K
120	4.7K	180K
150	5.6K	220K
180	6.8K	270K
220	8.2K	330K
270	10K	390K
330	12K	470K
390	15K	560K
470	18K	680K
560	20K	820K
680	22K	1M
820	27K	





Vishay Resistor Networks



MDP THICK FILM RESISTOR NETWORKS

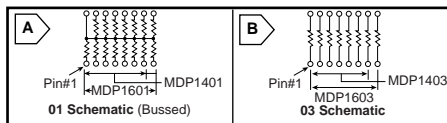
Features:

- Dual-in-line, molded DIP
- .160" [4.06mm] maximum seated height
- Rugged, molded case construction
- Highly stable thick film
- Low temperature coefficient (-55°C to +125°C) ±100PPM/°C
- Compatible with automatic inserting equipment
- Wide resistance range

Electrical Specifications:

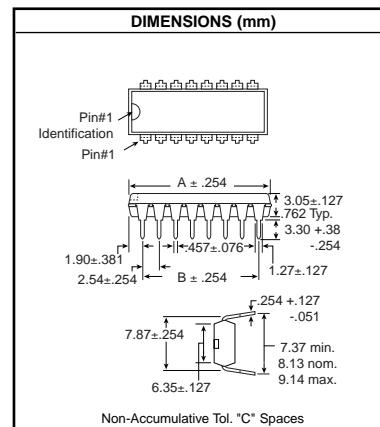
- Tolerance: ±2% standard
- Temperature coefficient: -55°C to +125°C
- Resistor power rating: 70°C max.
- 01 Schematics = .125 watt; 03 Schematic = .250 watt
- Operating temperature range: -55°C to +125°C

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	25	100	200
71-MDP1401-Value	A	14	.56	.52	.45	.39
71-MDP1601-Value	A	16	.56	.52	.45	.39
71-MDP1403-Value	B	14	.56	.52	.45	.39
71-MDP1603-Value	B	16	.56	.52	.45	.39



TYPE	Dim. A (mm)	Dim. B (mm)	C
MDP14	19.05	15.24	6
MDP16	21.59	17.78	7

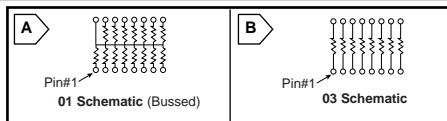
Table of Values (Ω)					
22	150	820	5.1K	33K	220K
27	180	1K	5.6K	39K	330K
33	200	1.2K	6.8K	47K	390K
39	220	1.5K	8.2K	51K	470K
47	270	1.8K	10K	68K	510K
51	330	2K	12K	82K	560K
56	390	2.2K	15K	100K	680K
68	470	2.7K	18K	120K	820K
82	510	3.3K	20K	150K	1M
100	560	3.9K	22K	180K	
120	680	4.7K	27K	200K	



SOMC THICK FILM RESISTOR NETWORKS

Features:

- .050" [1.27mm] lead spacing
- .090" [2.29mm] maximum seated height
- Rugged, molded case construction
- Highly stable thick film
- Low temperature coefficient (-55°C to +125°C) ±100PPM/°C
- Reduces total assembly costs
- Compatible with automatic surface mounting equipment
- Wide resistance range available
- Uniform performance characteristics
- Meets EIA PDP100, SOGN-0002 outline dimensions

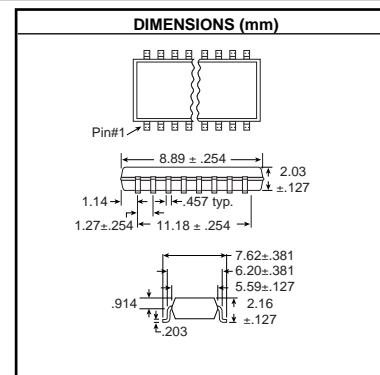


Electrical Specifications:

- Resistance range: 10 ohm to 1 Megohm standard. Zero ohm jumpers available.
- Tolerance: 01 and 03 schematics: ±2% standard. ±1%, ±5%, ±10%, ±20% available.
- Temperature coefficient: -55°C to +125°C ±100PPM/°C typical
- Resistor power rating: 70°C max.
- 01 Schematics = .080 watt; 03 Schematic = .160 watt
- Operating temperature range: -55°C to +125°C

Available in 14 and 20 pin style, additional resistance values, in isolated and bussed styles.

MOUSER STOCK NO.	Fig.	No. of Pins	Values (Ω)	Price Each				Price Per Reel of 2000
				1	50	100	200	
71-SOMC1601-Value	A	16	22, 470, 1K, 2.2K, 4.7K, 6.8K, 10K, 22K, 47K, 100K	.94	.75	.66	.56	770.80
71-SOMC1603-Value	B	16	22, 33, 47, 100, 220, 330, 1K, 2.2K, 4.7K, 10K, 100K	.94	.75	.66	.56	770.80



MSP 2% THICK FILM RESISTOR NETWORKS

Features:

- .195" [4.95mm] "A" or .350" [8.89mm] "C" maximum seated height
- Highly stable thick film
- Low temperature coefficient: -55°C to +125°C ±100PPM/°C
- Rugged, molded case construction
- Reduces total assembly costs
- Compatible with automatic insertion equipment
- Reduces PC board space

Electrical Specifications:

- Resistance range: 10Ω to 2.2MΩ standard
- Tolerance: 01 and 03 Schematics: ±2% standard
- Temperature coefficient: -55°C to +125°C ±100PPM/°C
- Resistor power rating: maximum @ +70°C
- 01 Schematic = .20 watt; 03 Schematic = .30 watt

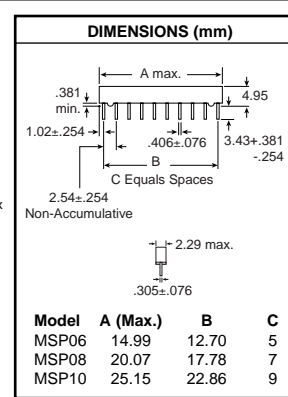
Mechanical Specifications:

- Marking resistance to solvents: permanency testing per MIL-STD-202, Method 215
- Solderability: per MIL-STD-202, Method 208E, RMA flux
- Body: molded epoxy
- Terminal: copper alloy, tin-lead plated

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	25	100	200
71-MSP06A01-Value	A	6	.35	.32	.30	.24
71-MSP06A03-Value	B	6	.35	.32	.30	.24
71-MSP08A01-Value	A	8	.40	.37	.35	.28
71-MSP08A03-Value	B	8	.40	.37	.35	.28
71-MSP10A01-Value	A	10	.48	.44	.40	.33
71-MSP10A03-Value	B	10	.48	.44	.40	.33

Other Values Available
Call (800) 346-6873 for more details

Table of Values (Ω)					
470	1.0K	2.0K	2.2K	2.7K	3.3K
4.7K	10K	22K	47K	100K	



CSC THICK FILM CONFORMAL COATED SIP RESISTOR NETWORKS 2%

Specifications:

- Standard resistance tolerance: ±2%
- Operating temperature range: -55°C to +125°C
- Temperature coefficient of resistance: (-55°C to +125°C) ±100ppm/°C typical
- Operating voltage: 100VDC max.
- Resistor power rating: (max. @ +70°C) fig. A .20W, fig. B .30W

Features:

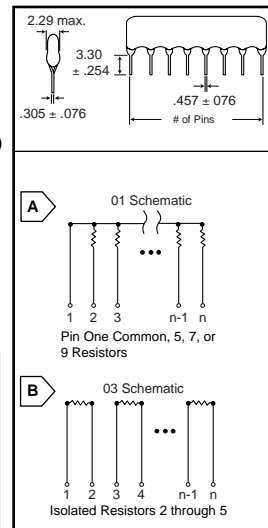
- .195 (4.95mm) "A"
- "A" profile standard in 6 thru 10 pins

One Common Pin Configuration

MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation Per Circuit	Power Dissipation Total Pkg. (Max.)	No. of Pins (N)	No. of Res.	Price Each					Call For Quote
							1	100	200	500	1000+	
71-CSC06A01-Value	A	100, 200, 220, 330, 560, 680, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 6.8K, 10K, 22K, 47K, 56K, 100K, 220K, 330K, 470K, 1M	.125	.75	6	5	.19	.15	.13	.11		
71-CSC08A01-Value	A	330, 470, 1K, 2.2K, 4.7K, 10K, 22K, 33K, 47K, 100K, 1M	.125	1	8	7	.25	.19	.18	.14		
71-CSC10A01-Value	A	100, 150, 200, 220, 330, 470, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 22K, 33K, 47K, 51K, 56K, 100K, 470K, 1M	.125	1.25	10	9	.29	.23	.21	.17		

Isolated Configuration

MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation Per Circuit	Power Dissipation Total Pkg. (Max.)	No. of Pins (N)	No. of Res.	Price Each					Call For Quote
							1	100	200	500	1000+	
71-CSC06A03-Value	B	100, 150, 220, 470, 820, 1K, 2.2K, 4.7K, 10K, 56K, 82K, 100K, 200K, 470K	.2	.75	6	3	.19	.15	.13	.11		
71-CSC08A03-Value	B	22, 47, 100, 150, 220, 330, 470, 680, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 22K, 47K, 68K, 100K, 150K, 200K, 470K, 1M	.2	1	8	4	.25	.19	.18	.14		
71-CSC10A03-Value	B	22, 47, 100, 220, 470, 1K, 3.3K, 4.7K, 5.6K, 10K, 15K, 47K, 100K, 1M	.2	1.25	10	5	.29	.23	.21	.17		

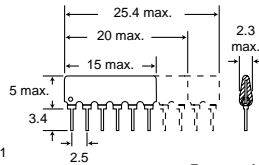




LOW PROFILE THICK FILM SIP RESISTOR NETWORKS 2%; 100ppm/°C

Specifications:

- Resistance range: 10Ω to 1MΩ
- Resistance tolerance: ±2%
- Temperature coefficient: 100ppm/°C
- Power rating: 1/8W per resistor
- Operating temperature range: -55°C to +150°C
- Solderability: per MIL-R-83401



DIMENSIONS (mm)

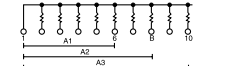
For quantities 5,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cross Reference		No. of Pins (N)	No. of Res.	Price Each				
		Bourns	Allen-Bradley			1	100	500	1000	2000
264-Value	A1	4606-101	106A	6	5	.15	.09	.08	.075	.06
265-Value	A2	4608-101	108A	8	7	.20	.13	.12	.11	.088
266-Value	A3	4610-101	110A	10	9	.25	.17	.15	.14	.112
267-Value	B1	4606-102	106B	6	3	.15	.09	.08	.075	.06
268-Value	B2	4608-102	108B	8	4	.20	.13	.12	.11	.088
269-Value	B3	4610-102	110B	10	5	.25	.17	.15	.14	.112

Other Values Available Upon Request

Table of Values (Ω)	
10	180 1.8K 15K 150K
22	220 2.2K 18K 180K
27	270 2.7K 20K 220K
33	330 2.7K 22K 270K
39	390 3.3K 27K 330K
47	470 3.9K 33K 390K
51	510 4.7K 39K 470K
56	560 5.1K 47K 560K
68	680 5.6K 56K 680K
82	820 6.8K 68K 820K
100	1K 8.2K 82K 1M
120	1.2K 10K 100K
150	1.5K 12K 120K

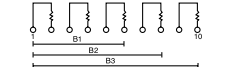
Common Bus Configuration



Pin 1 Common, 5, 7, or 9 Resistors
6, 8, or 10 Pin Single-In-Line Package



Isolated Configuration



3, 4, or 5 Isolated Resistors
6, 8, or 10 Pin Single-In-Line Package

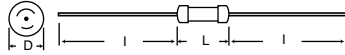
Resistor Networks

Features:

- Smaller size
- Excellent flame retardant coating
- Stable performance in diverse environments

Specifications:

- Temperature coefficient: ±350ppm
- Resistance tolerance: ±5%
- Max working voltage: 1W, 2W, 3W: 350V, 5W: 500V
- To order tape & reel add "reel" to Mouser stock #.



DIMENSIONS (mm)

Type	O±1	P±0.3	t ± 1.0	Across Flange (A)	Quantity / Reels (pcs.)
1 Watt Small					
2 Watt Small	58	5	4	73±2	2,500
1 Watt Standard					
2 Watt Standard	64	10 ± 0.5	5	81±5	1,000

SMALL SIZE METAL OXIDE POWER RESISTORS • Temp. range: -55°C to +155°C

MOUSER STOCK NO.	Rated Power (Watts)	Value Range (Ω)	Dimensions (mm)			Price Per Piece			Qty/Reel	Price Per Reel		
			L	D	l (Min)	1	100	1000		1	2	4
281-Value	1	0.47-1.0M	10	4	28	.13	.09	.05	2500	125.00	112.50	90.00
282-Value	2	0.47-1.0M	12	5	28	.19	.10	.06	2500	150.00	140.00	115.00
283-Value	3	0.47-1.0M	16	5.5	28	.39	.25	.15	---	---	---	---
286-Value	5	5.1-150K	25	8	28	.49	.33	.30	---	---	---	---

STANDARD METAL OXIDE POWER RESISTORS • Temp. range: -55°C to +200°C

MOUSER STOCK NO.	Rated Power (Watts)	Value Range (Ω)	Dimensions (mm)			Price Per Piece			Qty/Reel	Price Per Reel		
			L	D	l (Min)	1	100	1000		1	2	4
261-Value	1	0.47-1.0M	12	4.5	27	.13	.09	.05	2500	125.00	112.50	105.00
262-Value	2	0.47-1.0M	16	5.5	27	.19	.10	.06	1000	60.00	56.00	52.00

* Not stocked in 5 watt

Table of Values in (Ω)

*0.47	*0.91	*2.0	*4.3	9.1	20	43	91	200	430	910	2.0K	4.3K	9.1K	20K	43K	91K	*200K	*430K	*910K
*0.5	*1.0	*2.2	*4.7	10	22	47	100	220	470	1.0K	2.2K	4.7K	10K	22K	47K	100K	*220K	*470K	*1.0M
*0.51	*1.1	*2.4	5.1	11	24	51	110	240	510	1.1K	2.4K	5.1K	11K	24K	51K	110K	*240K	*510K	
*0.56	*1.2	*2.7	5.6	12	27	56	120	270	560	1.2K	2.7K	5.6K	12K	27K	56K	120K	*270K	*560K	
*0.62	*1.3	3.0	6.2	13	30	62	130	300	620	1.3K	3.0K	6.2K	13K	30K	62K	130K	*300K	*620K	
*0.68	*1.5	*3.3	6.8	15	33	68	150	330	680	1.5K	3.3K	6.8K	15K	33K	68K	150K	*330K	*680K	
*0.75	*1.6	*3.6	7.5	16	36	75	160	360	750	1.6K	3.6K	7.5K	16K	36K	75K	*160K	*360K	*750K	
*0.82	*1.8	*3.9	8.2	18	39	82	180	390	820	1.8K	3.9K	8.2K	18K	39K	82K	*180K	*390K	*820K	



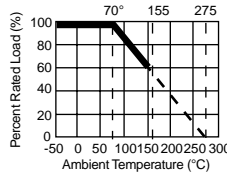
PRM VERTICAL MOUNT CEMENT POWER RESISTORS

Features:

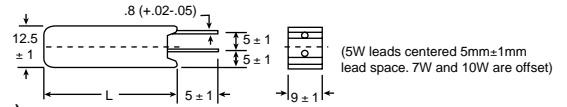
- Exceptionally small, sturdy, and reliable
- Sealed with a special cement
- Excellent moisture resistance
- High temperature stability
- Cement flame retardant package

Specifications:

- Tolerance: ±5%
- Temperature coefficient: ±350ppm/°C max; <20Ω ±400ppm/°C



0.1	0.68	6.8	20	100	1K
0.3	1.0	10	47	150	2K
0.47	3.0	15	75	680	10K



DIMENSIONS (mm)

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Watts	Length (mm) L ± 1	Resistance Range		Price Each			
			Wirewound	Power Film	1	10	100	500
280-PRM5-Value	5	25	0.1Ω-47Ω	48Ω-100KΩ	.36	.31	.23	.19
280-PRM7-Value	7	38	0.1Ω-680Ω	681Ω-200KΩ	.51	.41	.31	.28
280-PRM10-Value	10	50	0.1Ω-910Ω	911Ω-200KΩ	.68	.54	.42	.37



CEMENT POWER RESISTORS

Features:

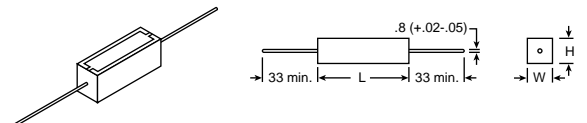
- Extremely small and sturdy
- Mechanically safe
- Self-extinguishing
- Excellent flame and moisture resistance

Specifications:

- Temperature coefficient: ±350
- Tolerance: ±5%
- Operating temperature: -40°C to +200°C

DIMENSIONS (mm)

Watts	L	W	H
5	22	10	9
10	49	10	9
15	49	12.5	11.5
25	64	14.5	13.5



0.1	0.47	1.0	2.4	5.1	12	27	62	160	350	680	1.6K	4.7K
0.15	0.5	1.1	2.7	5.6	13	30	68	180	360	750	1.8K	5.0K
0.2	0.51	1.2	3.0	6.2	15	33	75	200	390	820	2.0K	10K
0.22	0.56	1.3	3.3	6.8	16	36	82	220	430	910	2.2K	20K
0.27	0.62	1.5	3.6	7.5	18	39	91	240	470	1.0K	2.4K	25K
0.3	0.68	1.6	3.9	8.2	20	43	100	250	500	1.1K	2.7K	
0.33	0.75	1.8	4.0	9.1	22	47	120	270	510	1.2K	3.0K	
0.39	0.82	2.0	4.7	10	24	50	130	300	560	1.3K	3.3K	
0.43	0.91	2.2	5.0	11	25	56	150	330	620	1.5K	3.9K	

For quantities 25,000 and up, call for quote.

MOUSER STOCK NO.	Watts	Range of Values (Ω)	Price Each						
			1	10	100	500	1000	10,000	
280-CR5-Value	5	.1 to 25K	.39	.32	.24	.21	.17	.13	.11
280-CR10-Value	10	.1 to 25K	.55	.47	.35	.27	.24	.20	.18
280-CR15-Value	15	1.0 to 1.0K	.63	.57	.47	.33	.28	.20	Call
280-CR25-Value	25	2.0 to 1.0K	1.09	.99	.82	.58	.48	.34	Call

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

CADDOCK MP SERIES: TO-STYLE POWER FILM RESISTORS; 15W TO 100W Non-Inductive, Heat Sink Mount TO-126, TO-220, and TO-247 Packages

Features:

- Non-Inductive Design, Ideal for Power Switching Circuits, Snubbers, RF Applications: 50 Ohm performance up to 500 MHz.
- Values as low as 0.005 ohm ideal for Current Sensing in Power Supplies, Motor Controls, and Battery Charging Circuits
- Resistor Element Electrically Isolated from the Ceramic Heat Dissipating Mounting Surface (1500 V ACrms)

* Power Ratings are based on +25°C Case Temp.:

The case temp. is used to establish the max. applied power, see Derating Curve. The case temp. measurement is made with a thermocouple contacting the bottom mounting surface of the package (center of heat dissipating ceramic), the device mounted on the heat sink with thermal grease. See Mounting Note.

Without a Heat Sink:

When in free air at +25°C the MP Series have the following power ratings:
MP915: 1.25 W MP916, MP925, MP930: 2.25 W
MP2060: 2.5 W MP9100: 3.5 W

Mounting Note:

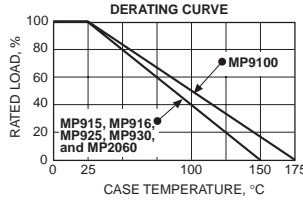
Mount on a smooth, clean, and flat heat sink surface with a thermal interface material such as thermal grease. The entire exposed ceramic area must be in contact with the heat sink. For additional technical information please refer to the Caddock Applications Notes for the MP Series available online at www.caddock.com.

Screw Mounting:

The use of a compression washer (Belleville type) is recommended. The compression washer must provide a force of 150 to 300 lbs. Recommended mounting torque is 6 in-lbs. Maximum mounting torque to avoid damage to the package is 8 in-lbs.

Clip Mounting:

Recommended Clip Force is 8 to 35 lbs applied to the center of the package. The clip should be smooth to avoid any point concentrations of pressure.



0.005	0.20	10	100	5K
0.010	0.50	20	200	10K
0.020	1	25	500	20K
0.050	2	50	1K	50K
0.10	5	75	2K	100K

Temperature Coefficient:

MP915, MP916, MP925, MP930:

- ΔR taken at +150°C, ref to +25°C
- 0.50 ohm to 100K: -20 to +80 ppm/°C
- 0.050 ohm to 0.49 ohm: 0 to +200 ppm/°C
- 0.020 ohm to 0.049 ohm: 0 to +300 ppm/°C
- 0.010 ohm to 0.019 ohm: 0 to +500 ppm/°C

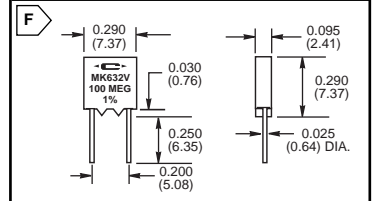
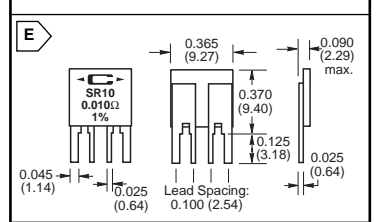
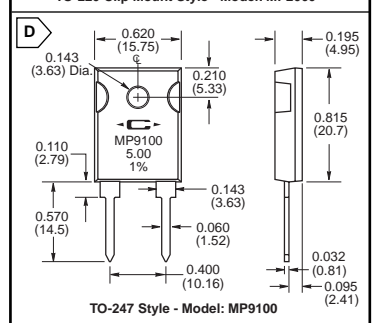
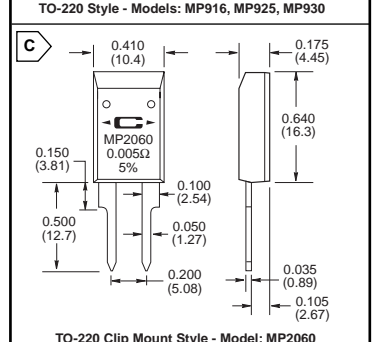
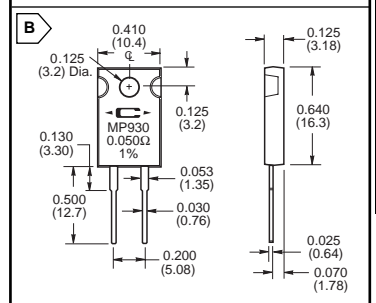
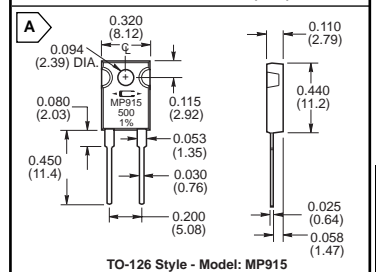
MP2060:

- ΔR taken at +150°C, ref to +25°C
- 0.50 ohm to 100K: -20 to +80 ppm/°C
- 0.050 ohm to 0.49 ohm: 0 to +100 ppm/°C
- 0.015 ohm to 0.049 ohm: 0 to +200 ppm/°C
- 0.005 ohm to 0.014 ohm: 0 to +300 ppm/°C

MP9100:

- ΔR taken at +175°C, ref to +25°C
- 0.50 ohm to 100 ohm: -20 to +80 ppm/°C
- 0.050 ohm to 0.49 ohm: 0 to +150 ppm/°C

DIMENSIONS IN. and (mm)



MOUSER STOCK NO.	Caddock Part No.	Fig.	*Power Rating	Thermal Res. (Film to Case)	Voltage ACrms	Ohm Range (see Value Table)	Tol.	Price Each					CAL FOR QUOTE
								1	10	25	50	100+	
684-MP915-Value	MP915-Value-Tol.	A	15 W	8.33°C/W	200 V	0.02	5%	4.48	3.58	3.31	3.13		
			15 W	8.33°C/W	200 V	0.05	1%	4.48	3.58	3.31	3.13		
			15 W	8.33°C/W	200 V	0.1 to 0.5	1%	3.28	2.62	2.42	2.29		
			15 W	8.33°C/W	200 V	1 to 5	1%	3.10	2.48	2.29	2.17		
			15 W	8.33°C/W	200 V	10 to 1K	1%	2.78	2.22	2.05	1.94		
684-MP916-Value	MP916-Value-Tol.	B	16 W	7.81°C/W	Power Ltd	0.01	5%	6.93	5.54	5.12	4.85		
			25 W	5.0°C/W	500 V	5K to 100K	1%	3.55	2.84	2.63	2.49		
684-MP925-Value	MP925-Value-Tol.	B	30 W	4.17°C/W	250 V	0.02	5%	5.68	4.54	4.20	3.97		
			30 W	4.17°C/W	250 V	0.05	1%	5.68	4.54	4.20	3.97		
			30 W	4.17°C/W	250 V	0.1 to 0.5	1%	4.15	3.32	3.07	2.91		
			30 W	4.17°C/W	250 V	1 to 5	1%	3.95	3.16	2.92	2.77		
			30 W	4.17°C/W	250 V	10 to 2K	1%	3.55	2.84	2.63	2.49		
684-MP930-Value	MP930-Value-Tol.	B	30 W	4.17°C/W	250 V	0.02	5%	5.68	4.54	4.20	3.97		
			30 W	4.17°C/W	250 V	0.05	1%	5.68	4.54	4.20	3.97		
			30 W	4.17°C/W	250 V	0.1 to 0.5	1%	4.15	3.32	3.07	2.91		
			30 W	4.17°C/W	250 V	1 to 5	1%	3.95	3.16	2.92	2.77		
			30 W	4.17°C/W	250 V	10 to 2K	1%	3.55	2.84	2.63	2.49		
684-MP2060-Value	MP2060-Value-Tol.	C	18 W	6.94°C/W	Power Ltd	0.005	5%	9.33	7.46	6.90	6.53		
			36 W	3.47°C/W	Power Ltd	0.01	2%	9.33	7.46	6.90	6.53		
			60 W	2.08°C/W	250 V	0.02 to 0.05	1%	9.33	7.46	6.90	6.53		
			60 W	2.08°C/W	250 V	0.1 to 0.5	1%	8.33	6.66	6.16	5.83		
			60 W	2.08°C/W	250 V	1 to 5	1%	7.13	5.70	5.27	4.99		
684-MP9100-Value	MP9100-Value-Tol.	D	100 W	1.50°C/W	Power Ltd	0.05	1%	12.10	9.68	8.95	8.47		
			100 W	1.50°C/W	Power Ltd	0.1 to 0.5	1%	11.53	9.22	8.53	8.07		
			100 W	1.50°C/W	Power Ltd	1 to 5	1%	10.65	8.52	7.88	7.46		
			100 W	1.50°C/W	Power Ltd	10 to 20	1%	9.75	7.80	7.22	6.83		
			100 W	1.50°C/W	Power Ltd	25 to 100	1%	8.88	7.10	6.57	6.21		

CADDOCK SR10 SERIES: PRECISION CURRENT SENSE RESISTORS

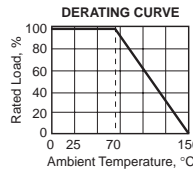
Features:

- Non-Inductive Design.
- Excellent Long Term Stability
- Values as low as 0.008 ohm ±1%
- Kelvin (4 wire) Leads
- Compact Footprint

MOUSER STOCK NO.	Caddock Part No.	Fig.	Value (Ω)	Tol.	Price Each					Call for Quote
					1	10	25	50	100+	
684-SR10-0.008	SR10-0.008-1%	E	0.008	1%	3.90	3.12	2.89	2.73		
684-SR10-0.010	SR10-0.010-1%	E	0.010	1%	3.90	3.12	2.89	2.73		
684-SR10-0.020	SR10-0.020-1%	E	0.020	1%	3.40	2.72	2.52	2.38		
684-SR10-0.050	SR10-0.050-1%	E	0.050	1%	3.40	2.72	2.52	2.38		
684-SR10-0.10	SR10-0.10-1%	E	0.10	1%	3.40	2.72	2.52	2.38		
684-SR10-0.20	SR10-0.20-1%	E	0.20	1%	3.40	2.72	2.52	2.38		
684-SR10-0.50	SR10-0.50-1%	E	0.50	1%	3.40	2.72	2.52	2.38		
684-SR10-1.00	SR10-1.00-1%	E	1.00	1%	3.40	2.72	2.52	2.38		

Specifications:

- Power Rating: 1 W at +70°C
- Temp. Coeff: -15°C to +105°C, ref. +25°C
- 0.10 ohm to 1.00 ohm: -50 to +100 ppm/°C
- 0.025 ohm to 0.075 ohm: 0 to +150 ppm/°C
- 0.008 ohm to 0.020 ohm: 0 to +200 ppm/°C



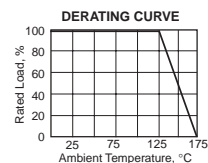
CADDOCK MK SERIES: PRECISION POWER FILM RESISTORS - CK06 SIZE

Features:

- Non-Inductive Design
- Values from 1 ohm to 100 Meg
- Compact Footprint
- Temp. Coeff. -15°C to +105°C, ref. +25°C
- Power: 0.75 W at +125°C
- Voltage: 400V at +125°C
- 5 ohm to 5 Meg: ±50 ppm/°C
- 10 Meg to 100 Meg: ±80 ppm/°C
- 1 ohm to 2 ohm: ±200 ppm/°C

MOUSER STOCK NO.	Caddock Part No.	Fig.	Ohm Range (see Value Table)	Tol.	Price Each					Call for Quote
					1	10	25	50	100+	
684-MK132V-Value	MK132V-Value-Tol.	F	1 to 20	1%	6.53	5.22	4.83	4.57		
			50	1%	4.10	3.28	3.03	2.87		
			100 to 50K	1%	3.40	2.72	2.52	2.38		
			100K to 500K	1%	4.10	3.28	3.03	2.87		
			1M to 5M	1%	5.30	4.24	3.92	3.71		
684-MK632V-Value	MK632V-Value-Tol.	F	10M	1%	5.63	4.50	4.16	3.94		
			20M to 100M	1%	6.80	5.44	5.03	4.76		

1	50	2K	100K	5M
2	100	5K	200K	10M
5	200	10K	500K	20M
10	500	20K	1M	50M
20	1K	50K	2M	100M



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

OHMITE TBH25P SERIES THICK FILM RESISTORS

Features:

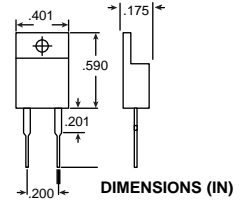
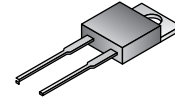
- Non-Inductive design
- Low Thermal Resistance
- Economically priced
- Designed for applications that require immediate heat sinkable power.

Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1000VDC
- Power rating: 25W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:

- Power supplies
- Industrial Controls
- Automotive Steering
- Snubber/Bleeder
- Pre-Load/Damping



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	25	100	250
588-TBH25P-2.0	TBH25P2R00J	2.0	4.87	4.39	3.90	3.32
588-TBH25P-3.9	TBH25P3R90J	3.9	4.87	4.39	3.90	3.32
588-TBH25P-7.5	TBH25P7R50J	7.5	4.87	4.39	3.90	3.32
588-TBH25P-10	TBH25P10R0J	10	4.87	4.39	3.90	3.32
588-TBH25P-15	TBH25P15R0J	15	4.87	4.39	3.90	3.32
588-TBH25P-24	TBH25P24R0J	24	4.79	4.32	3.84	3.26
588-TBH25P-33	TBH25P33R0J	33	4.79	4.32	3.84	3.26
588-TBH25P-47	TBH25P47R0J	47	4.79	4.32	3.84	3.26

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	25	100	250
588-TBH25P-75	TBH25P75R0J	75	4.79	4.32	3.84	3.26
588-TBH25P-100	TBH25P100R0J	100	4.79	4.32	3.84	3.26
588-TBH25P-150	TBH25P150R0J	150	4.79	4.32	3.84	3.26
588-TBH25P-240	TBH25P240R0J	240	4.79	4.32	3.84	3.26
588-TBH25P-330	TBH25P330R0J	330	4.79	4.32	3.84	3.26
588-TBH25P-470	TBH25P470R0J	470	4.79	4.32	3.84	3.26
588-TBH25P-1K	TBH25P1K00J	1K	4.79	4.32	3.84	3.26
588-TBH25P-1.5K	TBH25P1K50J	1.5K	4.79	4.32	3.84	3.26

OHMITE TCH35P SERIES THICK FILM POWER RESISTORS

Features:

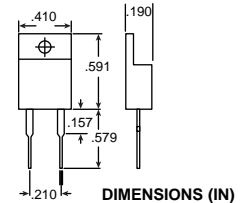
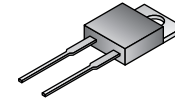
- Non-Inductive design
- Single screw mounting simplifies heat sink attachment
- Resistance element is electrically insulated from metal heat sink mounting tab

Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:

- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	25	100	250
588-TCH35P-0.1	TCH35P100J	0.1	7.46	6.72	6.21	5.28
588-TCH35P-0.15	TCH35P150J	0.15	7.46	6.72	6.21	5.28
588-TCH35P-0.24	TCH35P240J	0.24	7.46	6.72	6.21	5.28
588-TCH35P-0.33	TCH35P330J	0.33	7.46	6.72	6.21	5.28
588-TCH35P-0.39	TCH35P390J	0.39	7.46	6.72	6.21	5.28
588-TCH35P-0.47	TCH35P470J	0.47	7.46	6.72	6.21	5.28
588-TCH35P-0.51	TCH35P510J	0.51	7.46	6.72	6.21	5.28
588-TCH35P-0.75	TCH35P750J	0.75	7.46	6.72	3.25	3.18
588-TCH35P-1.0	TCH35P1R00J	1.0	5.66	5.10	4.71	4.00
588-TCH35P-1.5	TCH35P1R50J	1.5	5.66	5.10	4.71	4.00
588-TCH35P-2.4	TCH35P2R40J	2.4	5.66	5.10	4.71	4.00
588-TCH35P-3.3	TCH35P3R30J	3.3	5.66	5.10	4.71	4.00
588-TCH35P-3.9	TCH35P3R90J	3.9	5.66	5.10	4.71	4.00
588-TCH35P-4.7	TCH35P4R70J	4.7	5.66	5.10	4.71	4.00
588-TCH35P-5.1	TCH35P5R10J	5.1	5.66	5.10	4.71	4.00
588-TCH35P-7.5	TCH35P7R50J	7.5	5.66	5.10	4.71	4.00
588-TCH35P-10	TCH35P10R0J	10	5.66	5.10	4.71	4.00
588-TCH35P-15	TCH35P15R0J	15	5.66	5.10	4.71	4.00

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	25	100	250
588-TCH35P-24	TCH35P24R0J	24	5.66	5.10	4.71	4.00
588-TCH35P-33	TCH35P33R0J	33	5.66	5.10	4.71	4.00
588-TCH35P-39	TCH35P39R0J	39	5.66	5.10	4.71	4.00
588-TCH35P-47	TCH35P47R0J	47	5.66	5.10	4.71	4.00
588-TCH35P-51	TCH35P51R0J	51	5.66	5.10	4.71	4.00
588-TCH35P-75	TCH35P75R0J	75	5.66	5.10	4.71	4.00
588-TCH35P-100	TCH35P100R0J	100	5.66	5.10	4.71	4.00
588-TCH35P-150	TCH35P150R0J	150	5.66	5.10	4.71	4.00
588-TCH35P-240	TCH35P240R0J	240	5.66	5.10	4.71	4.00
588-TCH35P-330	TCH35P330R0J	330	5.66	5.10	4.71	4.00
588-TCH35P-390	TCH35P390R0J	390	5.66	5.10	4.71	4.00
588-TCH35P-470	TCH35P470R0J	470	5.66	5.10	4.71	4.00
588-TCH35P-510	TCH35P510R0J	510	5.66	5.10	4.71	4.00
588-TCH35P-750	TCH35P750R0J	750	5.66	5.10	4.71	4.00
588-TCH35P-1K	TCH35P1K0J	1.0K	5.66	5.10	4.71	4.00
588-TCH35P-1.5K	TCH35P1K5J	1.5K	5.66	5.10	4.71	4.00
588-TCH35P-2K	TCH35P2K0J	2.0K	5.66	5.10	4.71	4.00
588-TCH35P-2.2K	TCH35P2K2J	2.2K	5.66	5.10	4.71	4.00

OHMITE TDH35P SERIES THICK FILM POWER RESISTORS

Features:

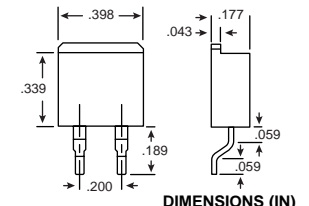
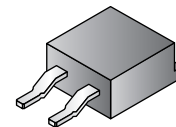
- TO220 style package configuration for surface mounting applications
- Molded case for environmental protection
- Resistor element is electrically insulated from the metal heat sink tab

Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C
- Derating(thermal resistance): 0.23W/K(4.28°K/W)

Applications:

- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	25	100	250
588-TDH35P-0.1	TDH35P100J	0.1	9.75	8.78	7.80	6.63
588-TDH35P-0.15	TDH35P150J	0.15	9.75	8.78	7.80	6.63
588-TDH35P-0.25	TDH35P250J	0.25	9.08	8.17	7.26	6.17
588-TDH35P-0.36	TDH35P360J	0.36	9.08	8.17	7.26	6.17
588-TDH35P-0.47	TDH35P470J	0.47	7.95	7.16	6.36	5.41
588-TDH35P-7.5	TDH35P750J	0.75	7.63	6.86	6.10	5.19
588-TDH35P-1.0	TDH35P1R00J	1.0	7.63	6.86	6.10	5.19
588-TDH35P-2.0	TDH35P2R00J	2.0	7.63	6.86	6.10	5.19
588-TDH35P-3.0	TDH35P3R00J	3.0	7.63	6.86	6.10	5.19
588-TDH35P-5.0	TDH35P5R00J	5.0	7.63	6.86	6.10	5.19
588-TDH35P-7.5	TDH35P7R50J	7.5	7.63	6.86	6.10	5.19
588-TDH35P-10	TDH35P10R0J	10	7.22	6.50	5.78	4.91
588-TDH35P-15	TDH35P15R0J	15	7.22	6.50	5.78	4.91

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	25	100	250
588-TDH35P-20	TDH35P20R0J	20	7.22	6.50	5.78	4.91
588-TDH35P-25	TDH35P25R0J	25	7.22	6.50	5.78	4.91
588-TDH35P-33	TDH35P33R0J	33	7.22	6.50	5.78	4.91
588-TDH35P-47	TDH35P47R0J	47	7.22	6.50	5.78	4.91
588-TDH35P-75	TDH35P75R0J	75	7.22	6.50	5.78	4.91
588-TDH35P-100	TDH35P100R0J	100	7.22	6.50	5.78	4.91
588-TDH35P-150	TDH35P150R0J	150	7.22	6.50	5.78	4.91
588-TDH35P-250	TDH35P250R0J	250	7.22	6.50	5.78	4.91
588-TDH35P-300	TDH35P300R0J	300	7.22	6.50	5.78	4.91
588-TDH35P-500	TDH35P500R0J	500	7.22	6.50	5.78	4.91
588-TDH35P-1K	TDH35P1K00J	1.0K	7.22	6.50	5.78	4.91
588-TDH35P-2.5K	TDH35P2K50J	2.5K	7.22	6.50	5.78	4.91
588-TDH35P-5K	TDH35P5K00J	5.0K	7.22	6.50	5.78	4.91

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

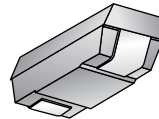
RW SERIES WIREWOUND SURFACE MOUNT POWER RESISTORS

These low value surface mount power resistors are ideal for current sensing applications and reduce the amount of space required by traditional power resistors. They offer higher power levels than conventional chip resistors. The body is molded with UL94V0 material rated at 205°C continuous. Flexible J-bend terminations reduce solder joint breakage due to thermal expansion and vibration.

Specifications:

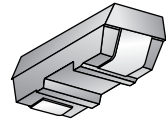
- Tolerance: 5%
- Dielectric strength: 1000V
- Flexible J-bend terminations
- Temperature Coefficient: ±90ppm/°C

A



Standard Pedestal Mount

B



Recessed-base Mount

To Order Reels add "REEL" to Mouser stock no.

MOUSER STOCK NO.	Ohmite Part No.	Fig.	Value (Ω)	Watts (W)	Maximum Voltage (V)	Dimensions (In.)			Price Each				
						Length	Height	Width	1	50	100	250	500
588-RW1-.01	RW1S0BAR010J	A	0.010	1.0	50	.246	.136	.136	1.92	1.86	1.70	1.59	1.45
588-RW1-.015	RW1S0BAR015J	A	0.015	1.0	50	.246	.136	.136	1.92	1.86	1.70	1.59	1.45
588-RW1-.02	RW1S0BAR020J	A	0.020	1.0	50	.246	.136	.136	1.92	1.86	1.70	1.59	1.45
588-RW1-.025	RW1S0BAR025J	A	0.025	1.0	50	.246	.136	.136	1.92	1.86	1.70	1.59	1.45
588-RW1-.05	RW1S0BAR050J	A	0.050	1.0	50	.246	.136	.136	1.92	1.86	1.70	1.59	1.45
588-RW1-.1	RW1S0BAR100J	A	0.100	1.0	50	.246	.136	.136	2.33	2.22	2.06	1.91	1.75
588-RW1-.3	RW1S0BAR300J	A	0.300	1.0	50	.246	.136	.136	2.33	2.22	2.06	1.91	1.75
588-RW1-.47	RW1S0BAR470J	A	0.470	1.0	50	.246	.136	.136	2.33	2.22	2.06	1.91	1.75
588-RW1.5-.005	RW1S5CAR005J	A	0.005	1.5	75	.394	.159	.159	1.70	1.60	1.50	1.39	1.28
588-RW1.5-.01	RW1S5CAR010J	A	0.010	1.5	75	.394	.159	.159	1.70	1.60	1.50	1.39	1.28
588-RW1.5-.15	RW1S5CAR150J	A	0.150	1.5	75	.394	.159	.159	2.24	2.11	1.98	1.83	1.68
588-RW2-.005	RW2S0CBR005J	A	0.005	2.0	100	.407	.222	.226	1.68	1.58	1.49	1.38	1.27
588-RW2-.02	RW2S0CBR020J	A	0.020	2.0	100	.407	.222	.226	1.68	1.58	1.49	1.38	1.27
588-RW2-.03	RW2S0CBR030J	A	0.030	2.0	100	.407	.222	.226	1.68	1.58	1.49	1.38	1.27
588-RW2-.05	RW2S0CBR050J	A	0.050	2.0	100	.407	.222	.226	1.68	1.58	1.49	1.38	1.27
588-RW2-.2	RW2S0CBR200J	A	0.200	2.0	100	.407	.222	.226	2.13	2.01	1.89	1.75	1.61
588-RW3.5-.01	RW3R5EAR010J	B	0.010	3.5	350	.811	.273	.273	2.13	2.01	1.89	1.75	1.61
588-RW3.5-.02	RW3R5EAR020J	B	0.020	3.5	350	.811	.273	.273	2.13	2.01	1.89	1.75	1.61
588-RW3.5-.05	RW3R5EAR050J	B	0.050	3.5	350	.811	.273	.273	2.13	2.01	1.89	1.75	1.61
588-RW3.5-.1	RW3R5EAR100J	B	0.100	3.5	350	.811	.273	.273	2.28	2.15	2.02	1.87	1.72
588-RW3.5-.2	RW3R5EAR200J	B	0.200	3.5	350	.811	.273	.273	2.28	2.15	2.02	1.87	1.72
588-RW3.5-.5	RW3R5EAR500J	B	0.500	3.5	350	.811	.273	.273	2.28	2.15	2.02	1.87	1.72

OHMITE 60 SERIES METAL ELEMENT CURRENT SENSING RESISTORS

These non-inductive, 3-piece welded element resistors, offer a reliable low-cost alternative to conventional resistors.

Specifications:

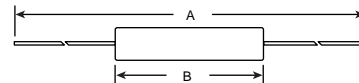
- Resistance tolerance: ±3%
- Material: nichrome resistive element
- Inductance: <10nh

Features:

- Low cost
- Wirewound performance
- Flameproof

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Watts (W)	Ohms (Ω)	Dimensions (In.)		Lead Gauge	Price Each				
			A (Min.)	B (Max.)		1	50	100	250	500
588-603HR005	1/4	0.005	2.440	.155	24	.42	.36	.34	.29	.28
588-603HR015	1/4	0.015	2.440	.155	24	.42	.36	.34	.29	.28
588-603HR050	1/4	0.050	3.685	.330	20	.42	.36	.34	.29	.28
588-604HR010	3/8	0.010	3.530	.250	22	.42	.36	.34	.29	.28
588-604HR020	3/8	0.020	3.530	.250	22	.42	.36	.34	.29	.28
588-604HR025	3/8	0.025	3.530	.250	22	.42	.36	.34	.29	.28
588-605HR010	1/2	0.010	3.685	.330	20	.42	.36	.34	.29	.28
588-605HR020	1/2	0.020	3.685	.330	20	.42	.36	.34	.29	.28
588-605HR030	1/2	0.030	3.685	.330	20	.42	.36	.34	.29	.28
588-605HR100	1/2	0.100	3.981	.700	18	.42	.36	.34	.29	.28
588-607HR050	3/4	0.050	3.587	.650	20	.42	.36	.34	.29	.28
588-607HR005	3/4	0.005	3.674	.320	20	.42	.36	.34	.29	.28



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Watts (W)	Ohms (Ω)	Dimensions (In.)		Lead Gauge	Price Each				
			A (Min.)	B (Max.)		1	50	100	250	500
588-610HR005	1	0.005	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR010	1	0.010	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR020	1	0.020	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR030	1	0.030	3.587	.650	20	.42	.36	.34	.29	.28
588-610HR050	1	0.050	3.981	.750	18	.42	.36	.34	.29	.28
588-615HR010	1 1/2	0.010	3.981	.750	18	.42	.36	.34	.29	.28
588-615HR020	1 1/2	0.020	3.981	.750	18	.42	.36	.34	.29	.28
588-615HR030	1 1/2	0.030	3.981	.750	18	.42	.36	.34	.29	.28
588-620HR005	2	0.005	3.981	.650	18	.42	.36	.34	.29	.28
588-630HR010	3	0.010	3.000	.750	18	.42	.36	.34	.29	.28
588-630HR025	3	0.025	3.384	1.264	18	.42	.36	.34	.29	.28
588-630HR050	3	0.050	3.900	1.780	18	.42	.36	.34	.29	.28

OHMITE 10 SERIES LO-MITE MOLDED SILICONE WIRE ELEMENT RESISTORS

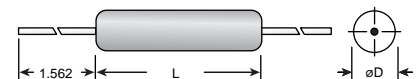
Specifications:

- Tolerance: ±1%
- Overload: 5 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000Vrms for 3W and 5W; 500Vrms for 2W
- Insulation resistance: ≥1000MΩ
- Temperature range: -55°C to 275°C

Features:

- Ideal for current sensing application
- Low inductance (non-inductive below .25μ)

Wattage	Dimensions (In.)		Lead Gauge
	L	∅D	
2	.406	.094	20
3	.560	.205	20
5	.925	.330	18



2 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-12FR005	0.005	1.56	1.41	1.25	1.17	1.15	1.12
588-12FR010	0.010	1.56	1.41	1.25	1.17	1.15	1.12
588-12FR020	0.020	1.56	1.41	1.25	1.17	1.15	1.12
588-12FR025	0.025	1.54	1.39	1.23	1.16	1.14	1.11
588-12FR050	0.050	1.45	1.31	1.16	1.09	1.07	1.04
588-12FR080	0.080	1.56	1.41	1.25	1.17	1.15	1.12
588-12FR100	0.100	1.70	1.53	1.36	1.28	1.26	1.23

3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-13FR005	0.005	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR010	0.010	1.46	1.31	1.17	1.10	1.08	1.04
588-13FR015	0.015	1.46	1.31	1.17	1.10	1.08	1.04
588-13FR020	0.020	1.40	1.26	1.12	1.05	1.03	1.01
588-13FR025	0.025	1.40	1.26	1.12	1.05	1.03	1.01
588-13FR050	0.050	1.38	1.24	1.10	1.04	1.08	1.04
588-13FR070	0.070	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR080	0.080	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR100	0.100	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR150	0.150	1.55	1.40	1.24	1.16	1.14	1.11
588-13FR200	0.200	1.55	1.40	1.24	1.16	1.14	1.11

5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-15FR005	0.005	1.85	1.67	1.48	1.39	1.36	1.33
588-15FR010	0.010	1.79	1.61	1.43	1.34	1.31	1.28
588-15FR020	0.020	1.79	1.61	1.43	1.34	1.31	1.28
588-15FR025	0.025	1.79	1.61	1.43	1.34	1.31	1.28
588-15FR050	0.050	1.75	1.58	1.40	1.31	1.31	1.28
588-15FR080	0.080	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR100	0.100	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR200	0.200	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR250	0.250	1.72	1.55	1.38	1.29	1.27	1.24
588-15FR300	0.300	1.72	1.55	1.38	1.29	1.27	1.24

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

OHMITE MINI-MOX SERIES AXIAL HIGH VOLTAGE/ HIGH CAPACITANCE RESISTORS

Features:

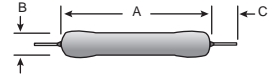
- Wide resistance ranges
- Silicone or epoxy coating
- Metal oxide resistive element
- Works well in precision circuits

Specifications:

- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 5KV
- Power Rating: .5W to 1W @ 25°C
- Operating Temperature Range: -55°C to +220°C

Applications:

- Avionics
- Medical electronics
- High gain feedback applications
- Current pulse limiters
- Vacuum and space application



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite STOCK NO.	Value (Ω)	Power @ 25°C	Dimensions (In.)			Lead Dia. (In.)	Price Each				
				A	B	C		1	10	50	100	250
1 KV												
588-MOX-300001004F	MOX-300001004F	1M	0.50W	0.435	0.145	1.5	0.020	3.25	2.87	2.07	1.80	1.52
588-MOX-300002004F	MOX-300002004F	2M	0.50W	0.435	0.145	1.5	0.020	3.25	2.87	2.07	1.80	1.52
588-MOX-300005004F	MOX-300005004F	5M	0.50W	0.435	0.145	1.5	0.020	3.25	2.87	2.07	1.80	1.52
588-MOX-300001505F	MOX-300001505F	15M	0.50W	0.435	0.145	1.5	0.020	3.25	2.87	2.07	1.80	1.52
588-MOX-300002505F	MOX-300002505F	25M	0.50W	0.435	0.145	1.5	0.020	4.23	2.99	2.25	1.86	1.82
588-MOX-300005005F	MOX-300005005F	50M	0.50W	0.435	0.145	1.5	0.020	4.23	2.99	2.25	1.86	1.82
588-MOX-300001506F	MOX-300001506F	150M	0.50W	0.435	0.145	1.5	0.020	4.23	2.99	2.25	1.86	1.82
588-MOX-300002506F	MOX-300002506F	250M	0.50W	0.435	0.145	1.5	0.020	4.23	2.99	2.25	1.86	1.82
2.5 KV												
588-MOX-400232504F	MOX-400232504F	2M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400235004F	MOX-400235004F	5M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400231505F	MOX-400231505F	15M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400232505F	MOX-400232505F	25M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400235005F	MOX-400235005F	50M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400237505F	MOX-400237505F	75M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400231506F	MOX-400231506F	150M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400232006F	MOX-400232006F	200M	0.75W	0.580	0.165	1.5	0.020	5.14	3.65	2.95	2.64	2.21
588-MOX-400235006F	MOX-400235006F	500M	0.75W	0.580	0.165	1.5	0.020	5.82	3.88	3.10	2.75	2.51
5 KV												
588-MOX-750232505F	MOX-750232505F	25M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
588-MOX-750237505F	MOX-750237505F	75M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
588-MOX-750231506F	MOX-750231506F	150M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
588-MOX-750232506F	MOX-750232506F	250M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
588-MOX-750237506F	MOX-750237506F	750M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52
588-MOX-750231007F	MOX-750231007F	1000M	1.00W	0.880	0.165	1.5	0.020	5.66	4.34	3.43	2.77	2.52

OHMITE SLIM-MOX SERIES PLANAR RESISTORS

Features:

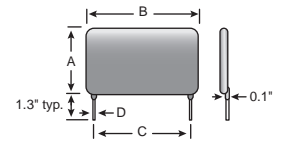
- High dielectric and low out gassing epoxy coating
- Low resistor noise
- Non Inductive

Specifications:

- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 20KV
- Power Rating Range: .5W to 2.5 watts @ 25°C
- Operating Temperature Range: -55°C to +110°C

Applications:

- High Voltage Power Supplies
- Medical Instrumentation
- Current pulse limiters
- Ionization Chambers



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite STOCK NO.	Value (Ω)	Power @ 25°C	Dimensions (In.)				Price Each				
				A	B	C	D	1	10	50	100	250
2 KV												
588-SM101031003F	SM101031003F	100K	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101031004F	SM101031004F	1M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101031504F	SM101031504F	1.5M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101035004F	SM101035004F	5M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101031505F	SM101031505F	15M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101035005F	SM101035005F	50M	.5W	0.340	0.330	0.200	0.025	3.35	2.67	2.38	1.98	1.46
7.5 KV												
588-SM103031004F	SM103031004F	1M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103035004F	SM103035004F	5M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103032005F	SM103032005F	20M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103031006F	SM103031006F	200M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103031506F	SM103031506F	1000M	1.25W	0.340	0.830	0.600	0.032	3.54	2.85	2.53	2.11	1.55
15 KV												
588-SM106031004F	SM106031004F	1M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106032004F	SM106032004F	2M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106031006F	SM106031006F	100M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106032006F	SM106032006F	200M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106031007F	SM106031007F	1000M	2.0W	0.340	1.580	1.400	0.032	4.20	3.29	2.93	2.44	1.88
20 KV												
588-SM108031003F	SM108031003F	100K	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108035003F	SM108035003F	500K	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108031004F	SM108031004F	1M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108035004F	SM108035004F	5M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108032005F	SM108032005F	20M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108037505F	SM108037505F	75M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108031506F	SM108031506F	150M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108031507F	SM108031507F	1500M	2.5W	0.340	2.080	1.900	0.032	4.84	3.73	3.31	2.76	2.21

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Power Resistors Ohmite

OHMITE OX/OY SERIES CERAMIC COMPOSITION RESISTORS

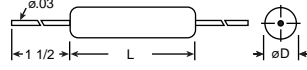
The OX/OY Series of fixed ceramic resistors are ideal for circuitry associated with surges, high peak power, or high energy. They can often replace carbon composition resistors which can be difficult to source.

Specifications:

- Resistance tolerance: ±10%
- Temp. coefficient: -1300 ±300ppm/°C

Features:

- Replaces 1 and 2 watt carbon composition resistors
- Meets high energy density demands
- High peak power



* Available in OY series only

Table of Values for OX and OY Series in (Ω)

3.3	22	47	220	820	3.3K	12K	27K	100K
10	27	68	330	1K	4.7K	15K	33K	* 220K
12	33	100	470	1.5K	5.6K	18K	47K	* 1M
15	39	150	680	2.2K	10K	22K	68K	

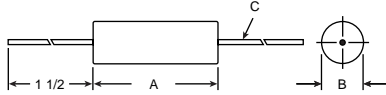
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dielectric Withstanding	Dimensions (In.)		Price Each		
			L	ØD	1	100	1000
OX, 1 Watt							
588-OX-Value	3.3 ~ 100	500	0.748	0.256	.77	.62	.51
588-OX-Value	150 ~ 100K	500	0.748	0.256	.71	.57	.47
OY, 2 Watts							
588-OY-Value	3.3 ~ 100	700	0.886	0.315	1.00	.80	.65
588-OY-Value	150 ~ 47K	700	0.886	0.315	.93	.74	.62
588-OY-Value	68K ~ 100K	700	0.886	0.315	.95	.76	.63
588-OY-Value	220K ~ 1M	700	0.886	0.315	1.09	.87	.72

OHMITE 20 SERIES VITREOUS ENAMEL COATED RESISTORS

Features:

- Enamel coating
- Welded terminations
- Low temperature coefficient



Cross Reference Chart

Ohmite	Clarostat	Huntington
23J	VC3D	ALSR-3
25J	VC5E	ALSR-5
20J	VC20J	ALSR-10

Specifications:

- Resistance tolerance: ±5%
- Temperature coefficient 0.1 to 7.5Ω: ±50 ppm
- 10Ω and over: ±30 ppm

* Available in 25J and 20J only

† Huntington part numbers are silicone coated.

Table of Values for 20 Series in (Ω)

0.1	2.0	25	75	270	680	2K	5K	* 15K
0.13	3.0	27	82	300	750	2.2K	6K	* 20K
0.15	4.0	30	100	330	800	2.5K	6.8K	* 22K
0.2	5.0	33	120	350	820	2.7K	7K	* 25K
0.25	7.5	35	125	390	900	3K	7.5K	
0.3	10	39	150	400	1K	3.3K	8K	
0.33	12	40	180	450	1.1K	3.5K	8.2K	
0.5	15	47	200	470	1.2K	3.9K	9K	
0.75	18	50	220	500	1.25K	4K	10K	
1.0	20	56	225	560	1.5K	4.5K	* 11K	
1.5	22	68	250	600	1.8K	4.7K	* 12K	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions (In.) max.			Price Each			
		A	B	C	1	50	100	250
23J, 3 Watts								
588-23J-Value	0.1 - 0.33	.50	.22	20 Ga.	1.82	1.55	1.37	1.18
588-23J-Value	0.5	.50	.22	20 Ga.	1.20	1.02	.90	.78
588-23J-Value	0.75 - 7.5	.50	.22	20 Ga.	1.20	1.02	.90	.78
588-23J-Value	10-82	.50	.22	20 Ga.	1.07	.91	.80	.70
588-23J-Value	100 - 450	.50	.22	20 Ga.	.97	.82	.73	.63
588-23J-Value	470 - 900	.50	.22	20 Ga.	1.06	.90	.80	.69
588-23J-Value	1K - 4.7K	.50	.22	20 Ga.	1.44	1.22	1.08	.94
588-23J-Value	5K - 7K	.50	.22	20 Ga.	1.85	1.57	1.39	1.20
588-23J-Value	7.5 - 10K	.50	.22	20 Ga.	2.15	1.83	1.61	1.40
25J, 5 Watts								
588-25J-Value	0.1 - 0.75	.91	.28	20 Ga.	1.50	1.28	1.13	.98
588-25J-Value	1.0 - 7.5	.91	.28	20 Ga.	1.44	1.22	1.08	.94
588-25J-Value	10-82	.91	.28	20 Ga.	1.37	1.16	1.03	.89
588-25J-Value	100 - 470	.91	.28	20 Ga.	1.13	.96	.85	.73
588-25J-Value	500 - 900	.91	.28	20 Ga.	1.32	1.12	.99	.86
588-25J-Value	1K - 4.7K	.91	.28	20 Ga.	1.58	1.34	1.19	1.03
588-25J-Value	5K - 9K	.91	.28	20 Ga.	1.99	1.69	1.49	1.29
588-25J-Value	10K - 15K	.91	.28	20 Ga.	2.20	1.87	1.65	1.43
588-25J-Value	20K - 25K	.91	.28	20 Ga.	2.60	2.21	1.95	1.69
20J, 10 Watts								
588-20J-Value	0.1 - 0.75	1.84	.35	20 Ga.	1.96	1.67	1.47	1.27
588-20J-Value	1.0 - 7.5	1.84	.35	20 Ga.	1.90	1.62	1.43	1.24
588-20J-Value	10-82	1.84	.35	20 Ga.	1.78	1.51	1.34	1.16
588-20J-Value	100 - 900	1.84	.35	20 Ga.	1.62	1.38	1.22	1.05
588-20J-Value	1K - 2.7K	1.84	.35	20 Ga.	1.94	1.65	1.46	1.26
588-20J-Value	3K - 4.7K	1.84	.35	20 Ga.	2.21	1.88	1.66	1.44
588-20J-Value	5K - 9K	1.84	.35	20 Ga.	2.53	2.15	1.90	1.64
588-20J-Value	10K - 22K	1.84	.35	20 Ga.	2.88	2.45	2.16	1.87
588-20J-Value	25K	1.84	.35	20 Ga.	3.25	2.76	2.44	2.11

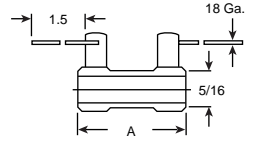
OHMITE 200 SERIES LUG AND LEAD FIXED RESISTORS

Specifications:

- Resistance tolerance: > 1Ω: ±5%
- < 1Ω: ±10%
- Temperature coefficient: < 5: ±400
- > 5: ±260

Features:

- Welded terminals
- Excellent heat dissipation
- Vitreous enamel coated



* Available in B12J only

Table of Values in (Ω)

1.0	7.5	25	100	250	500	1.25K	3K	6K	20K
2.0	10	35	125	300	750	1.5K	3.5K	8K	25K
3.0	15	50	150	400	1K	2K	4K	10K	*40K
5.0	20	75	200	450	1.2K	2.5K	5K	15K	*50K

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimension A (In.)	Price Each			
			1	25	100	250
B8J, 8 Watts Uses Bracket 588-5						
588-B8J-Value	1.0 - 7.5	1	2.88	2.59	2.30	2.02
588-B8J-Value	10 - 500	1	2.78	2.50	2.22	1.95
588-B8J-Value	750 - 1.5K	1	2.58	2.32	2.06	1.81
588-B8J-Value	2K - 8K	1	2.63	2.37	2.10	1.84
588-B8J-Value	10K	1	2.85	2.57	2.28	2.00
588-B8J-Value	15K	1	2.85	2.57	2.28	2.00
588-B8J-Value	20K - 25K	1	3.34	3.01	2.67	2.34
B12J, 12 Watts Uses Bracket 588-5						
588-B12J-Value	1.0 - 7.5	1 3/4	2.78	2.50	2.22	1.95
588-B12J-Value	10 - 750	1 3/4	2.46	2.21	1.97	1.72
588-B12J-Value	1K - 1.5K	1 3/4	2.67	2.40	2.14	1.87
588-B12J-Value	2K - 4K	1 3/4	2.74	2.47	2.19	1.92
588-B12J-Value	5K - 8K	1 3/4	2.88	2.59	2.30	2.02
588-B12J-Value	10K - 15K	1 3/4	2.95	2.66	2.36	2.07
588-B12J-Value	20K - 40K	1 3/4	3.06	2.75	2.45	2.14
588-B12J-Value	50K	1 3/4	3.85	3.47	3.08	2.70

OHMITE 40 SERIES SILICONE COATED WIREWOUND - 1%

Specifications:

- Resistance tolerance: ±1%
- Dielectric strength: 1000V
- Insulation resistance: 1000MΩ
- Temperature coefficient: 1-3W, 50ppm / 5W, 20ppm

Features:

- Welded construction
- Silicone coating and molding



Cross Reference Chart

Ohmite	Clarostat	Huntington
41F	SC1A	ALSR-1
43F	SC3D	ALSR-3
45F	SC5E	ALSR-5

* Available in 43F and 45F only
** Available in 45F only

Table of Values in (Ω)

0.1	0.5	5.0	22	47	120	300	600	2.2K	*5.6K	**20K
0.13	0.75	7.5	25	50	150	330	680	2.5K	*6.8K	**25K
0.15	1.0	10	27	56	180	350	750	3K	*7.5K	
0.2	1.5	12	30	68	200	400	1K	*3.9K	*8K	
0.25	2.0	15	33	75	220	470	1.2K	*4K	*10K	
0.3	3.0	18	39	82	250	500	1.5K	*4.7K	*12.5K	
0.33	4.0	20	40	100	270	560	2K	*5K	*15K	

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions (In.) max.			Price Each			
		A	B	C	1	25	100	250
41F, 1 Watt								
588-41F-Value	0.1 - 0.75	.44	.13	24 Ga.	2.30	1.96	1.73	1.50
588-41F-Value	1.0 - 7.5	.44	.13	24 Ga.	2.22	1.89	1.67	1.44
588-41F-Value	10-82	.44	.13	24 Ga.	1.92	1.63	1.44	1.25
588-41F-Value	100 - 470	.44	.13	24 Ga.	2.15	1.83	1.61	1.40
588-41F-Value	500 - 900	.44	.13	24 Ga.	2.38	2.02	1.79	1.55
588-41F-Value	1K - 1.5K	.44	.13	24 Ga.	2.71	2.30	2.03	1.76
588-41F-Value	2K - 3K	.44	.13	24 Ga.	3.26	2.77	2.45	2.12
43F, 3 Watts								
588-43F-Value	0.1 - 0.75	.59	.22	20 Ga.	1.76	1.50	1.32	1.14
588-43F-Value	1.0 - 7.5	.59	.22	20 Ga.	1.40	1.19	1.05	.91
588-43F-Value	10-82	.59	.22	20 Ga.	1.14	.97	.86	.74
588-43F-Value	100 - 750	.59	.22	20 Ga.	1.04	.88	.78	.68
588-43F-Value	1K - 1.5K	.59	.22	20 Ga.	1.19	1.01	.89	.77
588-43F-Value	2K - 2.5K	.59	.22	20 Ga.	1.58	1.34	1.19	1.03
588-43F-Value	3K - 4.7K	.59	.22	20 Ga.	1.91	1.62	1.43	1.24
588-43F-Value	5K - 6.8K	.59	.22	20 Ga.	2.30	1.96	1.73	1.50
588-43F-Value	7.5K - 10K	.59	.22	20 Ga.	2.38	2.02	1.79	1.55
45F, 5 Watts								
588-45F-Value	0.1							

OHMITE 270 SERIES FIXED POWER RESISTORS

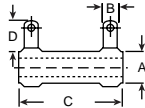
For quantities greater than listed, call for quote.

Specifications:

- Resistance tolerance: ±5%
- Temperature coefficient: 1 to 20Ω, ±400 ppm above 20Ω, ±260 ppm

Features:

- Welded terminals
- Excellent heat dissipation
- Vitreous enamel coated



Cross Reference Chart

Ohmite	Clarostat	Huntington
L25J	VP25K	FVT-25
L50J	VP50K	FVT-50
L100J	VK100N	FVT-100
L225J	VK200W	FVT-200

DIMENSIONS (IN.)

Series	A	B	C	D
L25J	9/16	1/4	2	9/16
L50J	9/16	1/4	4	9/16
L100J	3/4	1/4	6 1/2	9/16
L225J	1 1/8	5/16	10 1/2	5/8

** Available in 25W and 50W only * Available in 25W only

Table of Values in (Ω)

1.0	4.0	*15	75	**200	750	2K	5K	15K	50K
2.0	5.0	25	100	250	1K	2.5K	7.5K	20K	100K
3.0	10	50	150	500	1.5K	3K	10K	25K	

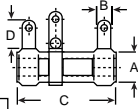
MOUSER STOCK NO.	Range of Values (Ω)	Price Each		
		1	25	100
L25J, 25 Watts 588-L25J-Value	1.0	4.66	3.96	3.26
	2.0 - 5.0	4.80	4.08	3.36
	10 - 750	4.57	3.88	3.20
	1K - 3K	4.79	4.07	3.35
	5K - 7.5K	4.84	4.11	3.39
	10K - 25K	5.80	4.93	4.06
	50K	6.23	5.30	4.36
	100K	6.65	5.65	4.66

MOUSER STOCK NO.	Range of Values (Ω)	Price Each		
		1	25	100
L50J, 50 Watts 588-L50J-Value	1.0	7.18	6.10	5.03
	2.0 - 5.0	6.73	5.72	4.71
	10 - 750	6.60	5.61	4.62
	1K - 7.5K	6.54	5.56	4.58
	10K - 20K	6.98	5.93	4.89
	25K - 50K	9.90	8.42	6.93
	100K	10.12	8.60	7.08
L100J, 100 Watts 588-L100J-Value	1.0 - 2.0	9.88	8.40	7.41
	3.0 - 5.0	9.50	8.08	7.13
	Oct-75	9.00	7.65	6.75
	100 - 750	8.80	7.48	6.60
	1K - 7.5K	8.46	7.19	6.35
	10K - 25K	8.72	7.41	6.54
	50K	10.80	9.18	8.10
	100K	12.84	10.91	9.63
L225J, 225 Watts 588-L225J-Value	1.0	28.05	25.25	22.44
	2.0	20.20	18.18	16.16
	3.0 - 5.0	16.25	14.63	13.00
	10 - 100	14.10	12.69	11.28
	150 - 750	13.45	12.11	10.76
	1K - 7.5K	13.00	11.70	10.40
	10K - 25K	13.50	12.15	10.80
	50K	15.00	13.50	12.00
	100K	15.80	14.22	12.64

OHMITE 210 SERIES ADJUSTABLE POWER RESISTORS

Specifications:

- Resistance tolerance: ±10%
- Temperature coefficient: ±260ppm
- Vitreous enamel coated



Cross Reference Chart

Ohmite	Clarostat	Huntington
D12K	VP10FA	AVT-12
D25K	VP25KA	AVT-25
D50K	VP50KA	AVT-50
D100K	VK100NA	AVT-100
D225K	VK200WA	AVT-200

DIMENSIONS (IN.)

Series	A	B	C	D
D12K	5/16	3/16	1 3/4	7/16
D25K	9/16	1/4	2	9/16
D50K	9/16	1/4	4	9/16
D100K	3/4	1/4	6 1/2	9/16
D225K	1 1/8	5/16	10 1/2	5/8

For quantities greater than listed, call for quote.

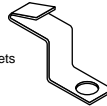
MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	25	100
D12K, 12 Watts 588-D12K-Value	1.0, 2.0, 3.0, 5.0	7.65	6.50	5.36
	10, 15, 20, 25, 50, 75, 100, 150, 200	7.57	6.43	5.30
	250, 500, 750	7.83	6.66	5.48
	1K, 1.5K, 2K, 2.5K, 3.5K	8.12	6.90	5.68
	5K, 10K	8.29	7.05	5.80
D25K, 25 Watts 588-D25K-Value	1.0, 2.0	8.94	7.60	6.26
	3.0, 5.0, 10, 15, 20, 25, 50, 75, 100, 150, 200, 250, 500	7.60	6.46	5.32
	750, 1K, 1.5K, 2K, 2.5K, 3.5K	7.86	6.68	5.50
	5K, 10K	8.30	7.06	5.81
	25K	8.56	7.28	5.99

OHMITE RESISTOR MOUNTING BRACKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each	
		1	10
588-5	B8J, B12J, D12K	.32	.29
588-9	L25J, L50J, D25K, D50K	.29	.26

Requires 2 brackets per resistor.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each	
		1	10
588-12	L100J, D100K	.56	.53
588-18	L255J, D252K	.59	.56

OHMITE POWER WIREWOUND RHEOSTATS

For quantities greater than listed, call for quote.

DIMENSIONS (IN.)

Series	A	B	C	D
RES	1/8	7/8	5/8	11/16
RHS	1/4	1 9/16	7/8	1 5/16
RJS	1/4	2 5/16	7/8	1 7/16

* Available in RES and RHS only
** Available in RJS only
† Available in RHS only

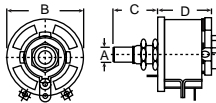


Table of Values in (Ω)

** 0.5	6.0	* 25	* 100	** 225	* 750	* 3.5K
1.0	* 8.0	** 35	125	* 250	1K	5K
* 2.0	* 10	50	** 150	* 350	* 1.5K	10K
* 3.0	* 15	* 75	* 175	500	2.5K	† 25K

MOUSER STOCK NO.	Range of Values (Ω)	Price Each		
		1	10	50
RES, 12.5 Watts 588-RES-Value	1.0 - 8.0	21.63	19.47	17.31
	10 - 350	20.50	18.45	16.40
	500 - 1.5K	21.05	18.95	16.85
	2.5K - 5K	22.40	20.16	17.92
	10K	24.20	21.78	18.86
RHS, 25 Watts 588-RHS-Value	1.0 - 8.0	24.10	21.69	19.28
	10 - 750	23.03	20.73	18.42
	1K - 5K	23.82	21.44	19.06
	10K	25.84	23.26	20.67
	25K	27.51	24.76	22.01
RJS, 50 Watts 588-RJS-Value	0.5	34.89	31.40	27.91
	1.0 - 6.0	31.16	28.04	24.93
	35 - 150	27.26	24.53	21.81
	225 - 500	26.20	23.58	20.96
	1K - 10K	28.64	25.78	22.91

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

OHMITE TAP 600 SERIES HEAT SINKABLE PLANAR RESISTORS

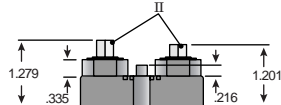
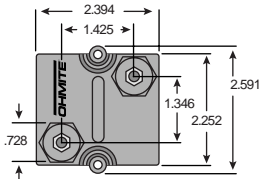
The TAP600 series delivers 600 watts of reliable power to a variety of power conditioning, power transmission and power control applications. The TAP600 are designed for use in liquid, or air cooled heat sink systems used in variable speed drives, power supplies, robotics, motor control and control devices.

Features:

- Dielectric Strength: Up to 12KV
- Special design for low inductive and capacitance values
- Easy termination to contacts with M5 screws

Specifications:

- Tolerance: 10%
- Maximum Working Voltage: 5000VDC
- Operating temperature range: -55°C to +150°C
- Power rating: 600 watt@ 70°C (heat sink temp.)
- Temperature Coefficient: ± 150 PPM/°C
- Thermal Resistance: 8.73W/°C (0.115°C/W)



DIMENSIONS (IN)

MOUSER STOCK NO.	Ohmite STOCK NO.	Value (Ω)	Price Each		
			1	10	25
588-TAP600K1R0	TAP600K1R0	1.0	103.00	80.39	73.69
588-TAP600K2R0	TAP600K2R0	2.0	103.00	80.39	73.69
588-TAP600K3R0	TAP600K3R0	3.0	103.00	80.39	73.69
588-TAP600K5R0	TAP600K5R0	5.0	103.00	80.39	73.69
588-TAP600K10R	TAP600K10R	10	103.00	80.39	73.69
588-TAP600K50R	TAP600K50R	50	103.00	80.39	73.69
588-TAP600K100	TAP600K100	100	103.00	80.39	73.69
588-TAP600K1K0	TAP600K1K0	1K	103.00	80.39	73.69
588-TAP600K10K	TAP600K10K	10K	103.00	80.39	73.69

OHMITE TAP 1000 SERIES HEAT SINKABLE PLANAR RESISTORS

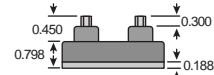
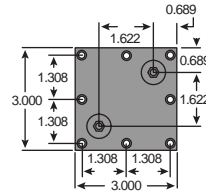
The TAP1000 series delivers 1000 watts of continuous power with thick film on alumina substrate technology. Up to 30% smaller, the TAP1000 is capable of 2 to 4 times the power dissipation of traditional heat sinkable resistor technologies. Designed for use with liquid cooled heat sinks, TAP1000 resistors are capable of dissipating 1000 watts of continuous power when properly mounted. Offering the highest power available in a heat sinkable package, the TAP1000 is well suited for power conditioning, power distribution, and power control applications.

Features:

- Dissipates 1000 Watts@70°C
- High Energy Rating
- Low Inductance
- Resistor element electrically isolated
- High Dielectric strength (6KV)
- Small footprint

Specifications:

- Tolerance: 10%
- Maximum Working Voltage: 2000VDC
- Operating temperature range: -55°C to +150°C
- Power rating: 1000 watt@ 70°C
- Temperature Coefficient: ± 250 PPM/°C
- Thermal Resistance: 0.05°C/Watt



DIMENSIONS (IN)

MOUSER STOCK NO.	Ohmite STOCK NO.	Value (Ω)	Price Each		
			1	10	25
588-TA1K0PH2R50K	TA1K0PH2R50K	2.5	115.00	85.00	78.00
588-TA1K0PH3R00K	TA1K0PH3R00K	3.0	115.00	85.00	78.00
588-TA1K0PH4R00K	TA1K0PH4R00K	4.0	115.00	85.00	78.00
588-TA1K0PH5R00K	TA1K0PH5R00K	5.0	115.00	85.00	78.00
588-TA1K0PH8R00K	TA1K0PH8R00K	8.0	115.00	85.00	78.00
588-TA1K0PH10R0K	TA1K0PH10R0K	10	115.00	85.00	78.00
588-TA1K0PH15R0K	TA1K0PH15R0K	15	115.00	85.00	78.00
588-TA1K0PH25R0K	TA1K0PH25R0K	25	115.00	85.00	78.00
588-TA1K0PH30R0K	TA1K0PH30R0K	30	115.00	85.00	78.00
588-TA1K0PH50R0K	TA1K0PH50R0K	50	115.00	85.00	78.00

OHMITE 200 SERIES CORRIB FIXED/ ADJUSTABLE VITREOUS ENAMEL POWER RESISTORS

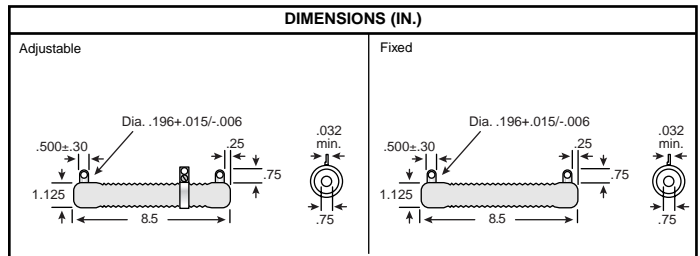
Corrib resistors are ideal for applications involving high currents at very low resistance values. These large, heavy-duty resistors are designed to withstand frequent start-stop cycles characteristic of motor starting, dynamic braking, and other similar applications.

Features:

- Ribbed Construction aids in rapid cooling
- Designed for equipment requiring low resistance loads at low ohmic values and high current capacity
- Hollow-cored for secure attachment to chassis using thru bolts and brackets

Specifications:

- Tolerance: 10%
- Temperature Coefficient: ± 400 ppm/°C
- Dielectric withstanding Voltage: 1000VAC
- Overload: 10 time rated wattage for 5 seconds



300 Watts Fixed

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Ohmite STOCK NO.	Value (Ω)	Price Each			
			1	10	25	50
588-C300KR10	C300KR10	0.1	33.75	28.69	27.01	25.32
588-C300KR12	C300KR12	0.12	31.18	26.51	25.43	23.84
588-C300KR20	C300KR20	0.2	27.93	23.74	22.35	20.96
588-C300KR50	C300KR50	0.5	25.59	21.76	20.48	19.20
588-C300K1R0	C300K1R0	1.0	22.90	19.47	18.32	17.18
588-C300K1R6	C300K1R6	1.6	22.90	19.47	18.32	17.18
588-C300K2R0	C300K2R0	2.0	21.18	18.01	16.94	15.89
588-C300K3R1	C300K3R1	3.1	21.18	18.01	16.94	15.89
588-C300K5R0	C300K5R0	5.0	20.22	17.19	16.18	15.17
588-C300K10R	C300K10R	10	19.49	16.56	15.60	14.63
588-C300K12R	C300K12R	12	19.49	16.56	15.60	14.63
588-C300K20R	C300K20R	20	19.49	16.56	15.60	14.63

300 Watts Adjustable

For quantities of 100 and up, call for quote

MOUSER STOCK NO.	Ohmite STOCK NO.	Value (Ω)	Price Each			
			1	10	25	50
588-E300KR10	E300KR10	0.1	38.03	35.11	32.32	28.53
588-E300KR25	E300KR25	0.25	32.25	29.78	27.42	24.20
588-E300KR31	E300KR31	0.31	32.25	29.78	27.42	24.20
588-E300KR40	E300KR40	0.4	29.91	27.62	25.43	22.44
588-E300KR80	E300KR80	0.8	29.91	27.62	25.43	22.44
588-E300K1R6	E300K1R6	1.6	27.24	25.14	23.16	20.43
588-E300K2R5	E300K2R5	2.5	25.53	23.57	21.70	19.16
588-E300K4R0	E300K4R0	4.0	25.53	23.57	21.70	19.16
588-E300K6R3	E300K6R3	6.3	24.57	22.69	20.89	18.44
588-E300K8R0	E300K8R0	8.0	24.57	22.69	20.89	18.44
588-E300K16R	E300K16R	16	23.84	20.68	20.26	17.88
588-E300K20R	E300K20R	20	23.84	20.68	20.26	17.88

OHMITE RESISTOR MOUNTING BRACKET KIT

- Kit includes 2 each bracket, bolt, washers (centering, mica, lock) and nut.

Mouser Part No.	Price Each		
	1	10	50
588-6128P-8.5	20.00	17.00	15.00

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RWM SERIES: VITREOUS ENAMEL WIREWOUND POWER RESISTOR

DIMENSIONS: (mm)

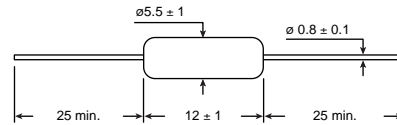
As a result of more than 50 years of experience and continuous improvements the RWM Series of resistors features proven reliability in AC or DC applications.

Features:

- High Dissipation
- High Reliability Level
- Fire Proof
- Conformal Vitreous Enamel
- All Welded Construction

Specifications:

- Power Rating: 3 Watts
- Operating Temperature: -55° C to +200° C
- Temperature Coefficient: + 75ppm/ °C typical
- Tolerance: 5% Standard
- Dielectric Withstanding Voltage: 1000VRMS



For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each				
			1	100	500	1000	5000
72-RWM410-R1-5	RWM410-R1-5-TR	0.1	.37	.32	.29	.21	.18
72-RWM410-R12-5	RWM410-R12-5-TR	0.12	.37	.32	.29	.21	.18
72-RWM410-R15-5	RWM410-R15-5-TR	0.15	.37	.32	.29	.21	.18
72-RWM410-R22-5	RWM410-R22-5-TR	0.22	.37	.32	.29	.21	.18
72-RWM410-R27-5	RWM410-R27-5-TR	0.27	.37	.32	.29	.21	.18
72-RWM410-R33-5	RWM410-R33-5-TR	0.33	.37	.32	.29	.21	.18
72-RWM410-R39-5	RWM410-R39-5-TR	0.39	.37	.32	.29	.21	.18
72-RWM410-R47-5	RWM410-R47-5-TR	0.47	.37	.32	.29	.21	.18
72-RWM410-1-5	RWM410-1-5-TR	1	.32	.27	.25	.18	.15
72-RWM410-1R5-5	RWM410-1R5-5-TR	1.5	.32	.27	.25	.18	.15
72-RWM410-2R2-5	RWM410-2R2-5-TR	2.2	.32	.27	.25	.18	.15
72-RWM410-3R3-5	RWM410-3R3-5-TR	3.3	.32	.27	.25	.18	.15
72-RWM410-4R7-5	RWM410-4R7-5-TR	4.7	.32	.27	.25	.18	.15
72-RWM410-6R2-5	RWM410-6R2-5-TR	6.2	.32	.27	.25	.18	.15
72-RWM410-8R2-5	RWM410-8R2-5-TR	8.2	.32	.27	.25	.18	.15
72-RWM410-10-5	RWM410-10-5-TR	10	.32	.27	.25	.18	.15
72-RWM410-15-5	RWM410-15-5-TR	15	.32	.27	.25	.18	.15
72-RWM410-22-5	RWM410-22-5-TR	22	.32	.27	.25	.18	.15
72-RWM410-27-5	RWM410-27-5-TR	27	.32	.27	.25	.18	.15
72-RWM410-39-5	RWM410-39-5-TR	39	.32	.27	.25	.18	.15
72-RWM410-47-5	RWM410-47-5-TR	47	.32	.27	.25	.18	.15
72-RWM410-56-5	RWM410-56-5-TR	56	.32	.27	.25	.18	.15

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each				
			1	100	500	1000	5000
72-RWM410-68-5	RWM410-68-5-TR	68	.32	.27	.25	.18	.15
72-RWM410-100-5	RWM410-100-5-TR	100	.32	.27	.25	.18	.15
72-RWM410-150-5	RWM410-150-5-TR	150	.32	.27	.25	.18	.15
72-RWM410-180-5	RWM410-180-5-TR	180	.32	.27	.25	.18	.15
72-RWM410-220-5	RWM410-220-5-TR	220	.32	.27	.25	.18	.15
72-RWM410-270-5	RWM410-270-5-TR	270	.32	.27	.25	.18	.15
72-RWM410-330-5	RWM410-330-5-TR	330	.32	.27	.25	.18	.15
72-RWM410-390-5	RWM410-390-5-TR	390	.32	.27	.25	.18	.15
72-RWM410-470-5	RWM410-470-5-TR	470	.32	.27	.25	.18	.15
72-RWM410-560-5	RWM410-560-5-TR	560	.32	.27	.25	.18	.15
72-RWM410-680-5	RWM410-680-5-TR	680	.32	.27	.25	.18	.15
72-RWM410-1K-5	RWM410-1K-5-TR	1K	.32	.27	.25	.18	.15
72-RWM410-1K2-5	RWM410-1K2-5-TR	1.2K	.32	.27	.25	.18	.15
72-RWM410-1K5-5	RWM410-1K5-5-TR	1.5K	.32	.27	.25	.18	.15
72-RWM410-1K8-5	RWM410-1K8-5-TR	1.8K	.32	.27	.25	.18	.15
72-RWM410-2K2-5	RWM410-2K2-5-TR	2.2K	.32	.27	.25	.18	.15
72-RWM410-3K3-5	RWM410-3K3-5-TR	3.3K	.46	.39	.36	.26	.22
72-RWM410-3K9-5	RWM410-3K9-5-TR	3.9K	.46	.39	.36	.26	.22
72-RWM410-4K7-5	RWM410-4K7-5-TR	4.7K	.46	.39	.36	.26	.22
72-RWM410-5K6-5	RWM410-5K6-5-TR	5.6K	.46	.39	.36	.26	.22
72-RWM410-6K8-5	RWM410-6K8-5-TR	6.8K	.59	.51	.46	.34	.22
72-RWM410-10K-5	RWM410-10K-5-TR	10K	.59	.51	.46	.34	.22

Vishay Power Resistors

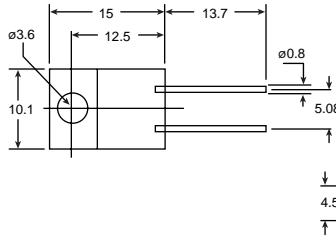
RTO SERIES: TO-220 THICK FILM POWER RESISTORS

Features:

- 20 Watt at 25° C Heatsink Mounted
- High Power Dissipation to size ratio
- Negligible Inductance
- TO-220 Package

Specifications:

- Operating Temperature: -55° C to +155° C
- Inductance: ≤0.1 µH
- Tolerance: 5% Standard
- Dielectric Withstanding Voltage: 2000VRMS



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each				
			1	25	50	100	200
72-RTO20F-R05-5	RTO20F-R05-5	0.05	8.43	7.03	5.62	5.06	4.78
72-RTO20F-R068-5	RTO20F-R068-5	0.068	8.43	7.03	5.62	5.06	4.78
72-RTO20F-R1-5	RTO20F-R1-5	0.1	6.75	5.63	4.50	4.05	3.83
72-RTO20F-R2-5	RTO20F-R2-5	0.2	6.75	5.63	4.50	4.05	3.83
72-RTO20F-R5-5	RTO20F-R5-5	0.5	6.75	5.63	4.50	4.05	3.83
72-RTO20F-1-5	RTO20F-1-5	1	6.75	5.63	4.50	4.05	3.83
72-RTO20F-2-5	RTO20F-2-5	2	6.75	5.63	4.50	4.05	3.83
72-RTO20F-5-5	RTO20F-5-5	5	6.75	5.63	4.50	4.05	3.83
72-RTO20F-10-5	RTO20F-10-5	10	5.40	4.50	3.60	3.24	3.06
72-RTO20F-20-5	RTO20F-20-5	20	5.40	4.50	3.60	3.24	3.06
72-RTO20F-25-5	RTO20F-25-5	25	5.40	4.50	3.60	3.24	3.06
72-RTO20F-50-5	RTO20F-50-5	50	5.40	4.50	3.60	3.24	3.06
72-RTO20F-100-5	RTO20F-100-5	100	5.40	4.50	3.60	3.24	3.06
72-RTO20F-200-5	RTO20F-200-5	200	5.40	4.50	3.60	3.24	3.06
72-RTO20F-500-5	RTO20F-500-5	500	5.40	4.50	3.60	3.24	3.06
72-RTO20F-1K-5	RTO20F-1K-5	1K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-2K-5	RTO20F-2K-5	2K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-5K-5	RTO20F-5K-5	5K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-10K-5	RTO20F-10K-5	10K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-20K-5	RTO20F-20K-5	20K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-50K-5	RTO20F-50K-5	50K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-100K-5	RTO20F-100K-5	100K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-500K-5	RTO20F-500K-5	500K	5.40	4.50	3.60	3.24	3.06
72-RTO20F-1M-5	RTO20F-1M-5	1M	5.40	4.50	3.60	3.24	3.06

RCH SERIES: THICK FILM POWER RESISTORS

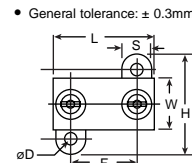
Model	L	W	H	P	F	T	S	øD	Weight (g)
Rch 5	16.6	9	16.4	10.2	11.3	12.5	5.3	2.4	4
Rch 10	19	11	20.6	12.7	14.3	15.9	5	2.4	5
Rch 25	28	14	27.5	18.3	18.3	19.8	7.7	3.2	7
Rch 50	47.8	15.5	29.4	30.5	39.7	24.4	8	3.2	12

Manufactured in cermet thick film technology, these power resistors exhibit remarkable characteristics and the series includes 4 types ranging from 5W to 50W.

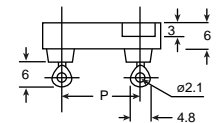
Designed to be mounted onto a heatsink, the resistors can bear high short time overloads, are non-inductive and are particularly suitable for high frequency operation and cut-out circuits.

Features:

- 5 Watt to 50 Watt
- High Power Rating
- High Overload Capabilities
- High Stability at Rated Power
- High Thermal Capacity
- Easy Mounting
- Reduced Size and Weight
- High Insulation: 10 MΩ



DIMENSIONS: (mm)



• General tolerance: ± 0.3mm

* Same footprint as aluminum housed resistors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Watts	Price Each				
				1	25	50	100	200
72-RCH5S-1-1	RCH5S-1-1	1	5	8.61	7.18	5.74	5.17	4.88
72-RCH5S-2-1	RCH5S-2-1	2	5	8.61	7.18	5.74	5.17	4.88
72-RCH5S-10-1	RCH5S-10-1	10	5	8.61	7.18	5.74	5.17	4.88
72-RCH5S-1K-1	RCH5S-1K-1	1K	5	8.61	7.18	5.74	5.17	4.88
72-RCH5S-10K-1	RCH5S-10K-1	10K	5	8.61	7.18	5.74	5.17	4.88
72-RCH10S-1-1	RCH10S-1-1	1	10	9.21	7.68	6.14	5.53	5.22
72-RCH10S-2-1	RCH10S-2-1	2	10	9.21	7.68	6.14	5.53	5.22
72-RCH10S-10-1	RCH10S-10-1	10	10	9.21	7.68	6.14	5.53	5.22
72-RCH10S-1K-1	RCH10S-1K-1	1K	10	9.21	7.68	6.14	5.53	5.22
72-RCH10S-10K-1	RCH10S-10K-1	10K	10	9.21	7.68	6.14	5.53	5.22
72-RCH25S-1-1	RCH25S-1-1	1	25	10.53	8.78	7.02	6.32	5.97
72-RCH25S-2-1	RCH25S-2-1	2	25	10.53	8.78	7.02	6.32	5.97
72-RCH25S-10-1	RCH25S-10-1	10	25	10.53	8.78	7.02	6.32	5.97
72-RCH25S-1K-1	RCH25S-1K-1	1K	25	10.53	8.78	7.02	6.32	5.97
72-RCH25S-10K-1	RCH25S-10K-1	10K	25	10.53	8.78	7.02	6.32	5.97
72-RCH25S-100K-1	RCH25S-100K-1	100K	25	10.53	8.78	7.02	6.32	5.97
72-RCH25S-1M-1	RCH25S-1M-1	1M	25	10.53	8.78	7.02	6.32	5.97
72-RCH50S-1-1	RCH50S-1-1	1	50	12.51	10.43	8.34	7.51	7.09
72-RCH50S-2-1	RCH50S-2-1	2	50	12.51	10.43	8.34	7.51	7.09
72-RCH50S-10-1	RCH50S-10-1	10	50	12.51	10.43	8.34	7.51	7.09
72-RCH50S-1K-1	RCH50S-1K-1	1K	50	12.51	10.43	8.34	7.51	7.09
72-RCH50S-10K-1	RCH50S-10K-1	10K	50	12.51	10.43	8.34	7.51	7.09
72-RCH50S-100K-1	RCH50S-100K-1	100K	50	12.51	10.43	8.34	7.51	7.09
72-RCH50S-1M-1	RCH50S-1M-1	1M	50	12.51	10.43	8.34	7.51	7.09

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

TYPE LVR LOW VALUE WIREWOUND RESISTORS - 1%

Specifications:

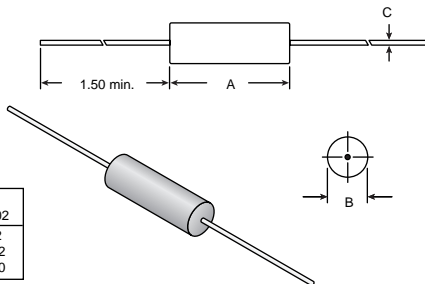
- Resistance tolerance: $\pm 1\%$
- Temperature coefficient: -55°C to $+125^{\circ}\text{C}$, referenced to $+25^{\circ}\text{C}$
- Short time overload: 5 sec. @ 5 times rated power
- Meets MIL-R-49465

* Available in LVR5 only.

Table of Values in (Ω)		
0.005	0.03	0.1
0.01	0.04	0.15
0.015	0.05	0.2
0.02	0.07	*0.25
0.025	0.08	*0.3

DIMENSIONS (IN.)

Series	A	B	C
LVR-1	.427	.115	.02
LVR-3	.560	.205	.032
LVR-5	.925	.330	.040



LVR1, 1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-LVR1-Value	0.01-0.1	1.20	1.12	1.01	.92

LVR3, 3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-LVR3-Value	0.005	1.37	1.27	1.14	1.05
71-LVR3-Value	0.01 - 0.08	1.20	1.12	1.01	.92
71-LVR3-Value	0.1 - 0.2	.97	.90	.81	.74

LVR5, 5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-LVR5-Value	0.005	1.68	1.56	1.40	1.29
71-LVR5-Value	0.01 - 0.08	1.34	1.24	1.12	1.03
71-LVR5-Value	0.1 - 0.3	1.19	1.11	1.00	.91

TYPE RS SILICONE COATED WIREWOUND RESISTORS- 1%

Features:

- Complete welded construction
- High temperature silicone coating
- Meets applicable requirements of MIL-R-26

Specifications:

- Resistance tolerance: $\pm 1\%$
- Dielectric strength: 1000VAC
- Insulation resistance: 1000M Ω

* Available in RS5 only.

Table of Values in (Ω)									
0.1	1.5	25	110	330	800	2.7K	6.8K	16K	
0.13	2.0	27	120	350	820	3.0K	7.0K	18K	
0.15	3.0	30	125	390	900	3.3K	7.5K	20K	
0.2	4.0	33	150	400	1.0K	3.5K	8.0K	22K	
0.25	5.0	47	180	450	1.2K	3.9K	8.2K	22.5K	
0.3	7.5	50	200	470	1.25K	4.0K	9.0K	*25K	
0.33	10	56	220	500	1.5K	4.5K	10K	*40K	
0.5	15	68	225	560	1.8K	4.7K	11K	*50K	
0.75	18	75	250	600	2.0K	5.0K	12K	*68K	
1.0	20	82	270	620	2.2K	5.6K	12.5K	*75K	
1.2	22	100	300	700	2.5K	6.0K	15K		

DIMENSIONS (IN.)

Series	A	B	C	D
RS1A	.406	.439	.094	.02
RS2B	.560	.622	.187	.032
RS5	.875	1.00	.312	.040

Cross Reference Chart

Dale	Clarostat
RS2B	SC3D
RS5	SC5E



RS1A, 1 Watt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RS1A-Value	0.1 - 0.99	.86	.82	.73	.69
71-RS1A-Value	1 - 1.0K	.76	.72	.65	.61
71-RS1A-Value	1.02K - 2.74K	.80	.73	.67	.62

RS2B, 3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RS2B-Value	0.1 - 0.75	1.08	.97	.89	.84
71-RS2B-Value	1.0 - 1.0K	.62	.56	.52	.48
71-RS2B-Value	1.2K - 6.0K	.74	.67	.62	.57
71-RS2B-Value	6.8K - 10K	.96	.86	.79	.74
71-RS2B-Value	11K - 22.5K	1.42	1.28	1.17	1.10

RS5, 5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RS5-Value	0.1 - 0.75	1.24	1.12	1.02	.96
71-RS5-Value	1.0 - 1.0K	1.08	.97	.89	.84
71-RS5-Value	1.2K - 10K	.84	.76	.69	.65
71-RS5-Value	11K - 22.5K	1.24	1.12	1.02	.96
71-RS5-Value	25K	1.52	1.37	1.25	1.18
71-RS5-Value	40K, 50K	1.86	1.67	1.53	1.44
71-RS5-Value	68K, 75K	2.32	2.09	1.91	1.80

TYPE CW SILICONE COATED WIREWOUND RESISTORS

Features:

- Silicone coating
- High temperature
- Complete welded construction
- Excellent stability in operation
- High power/size ratio

Specifications:

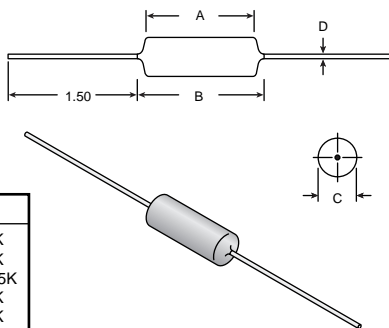
- Resistance tolerance: $<1\Omega = \pm 10\%$, $\geq 1\Omega = \pm 5\%$
- Temp. coefficient: $\pm 90\text{PPM}/^{\circ}\text{C}$ below 1Ω
- $\pm 50\text{PPM}/^{\circ}\text{C}$ 1Ω - 7.5Ω
- $\pm 30\text{PPM}/^{\circ}\text{C}$ 10Ω - $25K\Omega$
- Dielectric strength: 1000VAC min.

* Available in CW5 only.

Table of Values in (Ω)									
0.1	0.75	12	39	125	350	800	2.2K	5.0K	11K
0.13	1.0	15	40	150	390	820	2.5K	5.6K	12K
0.15	1.5	18	47	180	400	900	2.7K	6.0K	12.5K
0.2	2.0	20	50	200	450	1.0K	3.0K	6.8K	15K
0.22	2.7	22	56	220	470	1.1K	3.3K	7.0K	*16K
0.25	3.0	25	68	225	500	1.2K	3.5K	7.5K	*18K
0.27	4.0	27	75	250	560	1.25K	3.9K	8.0K	*20K
0.3	5.0	30	82	270	600	1.5K	4.0K	8.2K	*22K
0.33	7.5	33	100	300	680	1.8K	4.5K	9.0K	*22.5K
0.5	10	35	120	330	750	2.0K	4.7K	10K	*25K

DIMENSIONS (IN.)

Series	A	B	C	D
CW2B	.562	.622	.188	.032
CW5	.872	1.00	.312	.040



Cross Reference Chart

Dale	Clarostat
CW2B	VC3D
CW5	VC5E

CW2B, 3 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-CW2B-Value	0.1 - 0.75	.44	.40	.37	.34
71-CW2B-Value	1.0 - 1.0K	.40	.36	.33	.31
71-CW2B-Value	1.1K - 3.0K	.44	.40	.37	.34
71-CW2B-Value	3.3K - 10K	.52	.47	.43	.40
71-CW2B-Value	11K - 15K	.56	.51	.47	.43

CW5, 5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-CW5-Value	0.1 - 0.75	.56	.50	.46	.43
71-CW5-Value	1.0 - 1.0K	.46	.42	.38	.35
71-CW5-Value	1.1K - 10K	.52	.47	.43	.40
71-CW5-Value	11K - 20K	.70	.64	.58	.54
71-CW5-Value	22K - 25K	.77	.70	.64	.59

TYPE RH CHASSIS MOUNT WIREWOUND RESISTORS - 1%

Features:

- Aluminum housed
- Molded construction for total environmental protection
- Complete welded construction
- Mounts on chassis to utilize heat-sink effect

* Not available in RH-10.

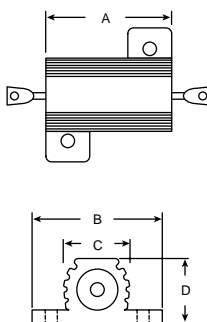
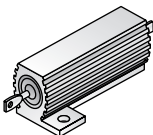
Table of Values in (Ω)					
0.01	0.68	4.0	20	120	1.5K
0.05	0.75	4.7	25	150	1.8K
0.1	0.82	5.0	27	200	2.0K
0.15	1.0	6.0	30	220	*3.0K
0.2	1.5	7.0	33	250	3.3K
0.22	2.0	7.5	40	330	5.0K
0.27	2.2	8.0	47	470	10K
0.3	2.5	10	50	500	20K
0.33	2.7	12	56	680	25K
0.5	3.0	15	68	1.0K	50K
0.56	3.3	16	100	1.2K	

Specifications:

- Resistance tolerance: $\pm 1\%$
- Temperature coefficient: -55°C to $+250^{\circ}\text{C}$
- Short time overload: 5 sec. @ 5 times rated power

DIMENSIONS (IN.)

Series	A	B	C	D
RH-10	.750	.800	.420	.390
RH-25	1.062	1.080	.550	.546
RH-50	1.968	1.140	.630	.610



RH10, 12.5 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RH10-Value	0.01 - 0.05	3.31	2.94	2.65	2.50
71-RH10-Value	0.1 - 0.82	2.00	1.78	1.60	1.51
71-RH10-Value	1.0 - 1.0K	1.64	1.46	1.31	1.24
71-RH10-Value	1.2K - 10K	1.69	1.50	1.35	1.28
71-RH10-Value	20K - 25K	2.63	2.34	2.11	1.99

RH-25, 25 Watts

For quantities greater than listed, call for quote.

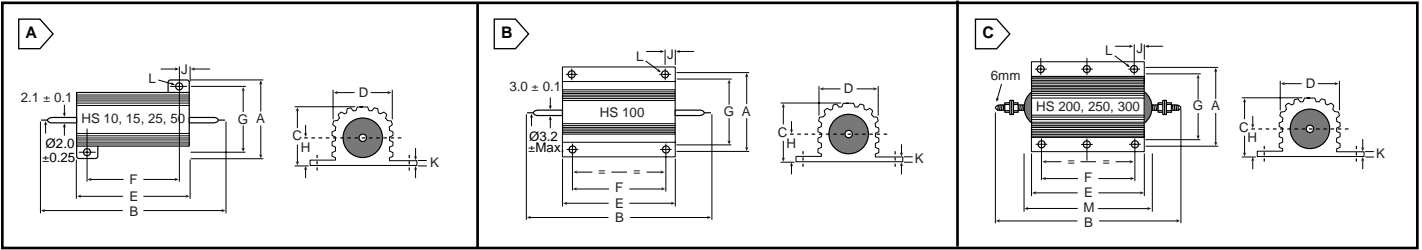
MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RH25-Value	0.01 - 0.05	4.12	3.74	3.37	3.18
71-RH25-Value	0.1 - 0.82	2.63	2.34	2.11	1.99
71-RH25-Value	1.0 - 1.0K	2.25	2.00	1.80	1.70
71-RH25-Value	1.2K - 10K	2.18	1.94	1.75	1.65
71-RH25-Value	20K - 50K	3.06	2.72	2.45	2.31

RH-50, 50 Watts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RH50-Value	0.01 - 0.05	6.90	6.76	6.08	5.44
71-RH50-Value	0.1 - 0.82	4.63	4.54	4.09	3.65

ALUMINUM HOUSED WIREWOUND POWER RESISTORS



Arcol Type	Fig.	Dimensions (mm)											
		A max.	B max.	C max.	D ± 1.6	E max.	F ± 0.3	G ± 0.3	H ± 0.5	J ± 0.4	K ± 0.8	L ± 0.25 †	M max.
HS10	A	17.0	30.0	9.0	8.5	17.0	11.3	12.4	4.0	2.0	1.7	2.4	---
HS15	A	21.0	36.5	11.0	11.2	21.0	14.3	15.9	5.2	2.4	1.7	2.4	---
HS25	A	28.0	51.0	15.0	13.5	29.0	18.3	19.8	7.2	4.3	2.4	3.2	---
HS50	A	30.0	72.5	17.0	15.1	51.0	39.7	21.4	7.9	4.8	2.4	3.2	---
HS100	B	48.0	88.0	26.0	27.0	65.0	35.0	37.0	11.5	15.0	3.5	4.4	---
HS200	C	73.0	146.0	45.0	46.0	90.0	70.0	57.2	20.0	10.0	5.0	5.1	106.0
HS250	C	73.0	157.0	45.0	46.0	109.0	89.0	57.2	20.0	10.0	5.0	5.1	125.0
HS300	C	73.0	185.0	45.0	46.0	128.0	104.0	59.0	20.0	12.0	5.0	6.6	144.0

200 - 300 Watts is ± .45

1% Tolerance (values less than 1ohm 5% tolerance)

0.1	0.68	4.0	22	68	470	3.3K
0.15	0.82	4.7	25	75	500	4.7K
0.22	1.0	5.0	27	100	560	5K
0.27	1.5	8.0	30	120	680	10K
0.33	2.0	7.5	33	150	1K	20K
0.47	2.2	10	40	200	1.5K	25K
0.5	2.7	15	47	220	2K	50K
0.51	3.0	16	50	250	2.2K	
0.56	3.3	20	56	330	3K	

Features:

- Anodized aluminum housing ensures good humidity seal
- Designed for chassis or heat-sink mounting for maximum heat dissipation
- Terminations are silver plated
- Solder, cable, threaded or fast-on terminations
- High level voltage protection
- Standard terminations: 10-100 watt solder terminations; 150-300 watt threaded terminations.
- Non-standard ohmic values available.

Specifications:

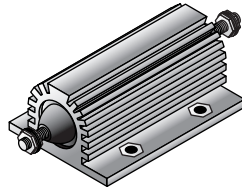
- Insulation resistance: 10 GΩ
- Dielectric strength: 1000VAC peak (10-15W); 2500VAC (25-50W); 5000VAC (100-300W)
- Resistant element: copper-nickel alloy, or nickel chrome alloy
- Housing: anodized aluminum
- Core material: ceramic steatite
- Low inductance and special terminations available
- NHS - Low inductance series
- ISO 9001 (1994)
- Transfer molding process insures a good humidity seal and permanent compression fit of the concentric resistive element.

Heat Dissipation:

While the use of proprietary heat sinks with lower thermal resistance is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink/chassis mounting surface. It is essential that the maximum hot spot temperature of 200°C is not exceeded and therefore the resistor must be mounted on a heat sink of correct thermal resistance for the power being dissipated.

Maximum Overload:

Please consult the factory for assistance concerning your particular overload application.

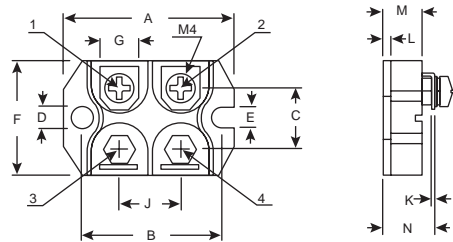


- Also available in 75 and 150 watt sizes
- 5% tolerance below 1Ω

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each				
				1	10	25	50	
284-HS10-Value	A	10 watt 5%	0.1-0.82	3.18	2.70	2.60	2.20	
284-HS15-Value	A	15 watt 5%		2.99	2.40	1.96	1.64	
284-HS25-Value	A	25 watt 5%		3.49	3.15	2.49	2.10	
284-HS50-Value	A	50 watt 5%		4.35	4.00	3.69	3.25	
284-HS100-Value	B	100 watt 5%		15.65	14.73	13.49	11.99	
284-HS100-(Value)F	A	100 watt 1%		1.0-5K	1.87	1.84	1.70	1.53
284-HS15-(Value)F	A	15 watt 1%		1.0-2K 3K-5K	1.60	1.40	1.30	1.20
284-HS25-(Value)F	A	25 watt 1%		1.0-2K 3K-25K	1.72	1.50	1.40	1.29
284-HS50-(Value)F	A	50 watt 1%		1.0-5K 10K-50K	2.20	1.90	2.11	1.99
284-HS100-(Value)F	B	100 watt 1%		1.0-20K	2.75	2.70	2.50	2.25
284-HS200-(Value)F	C	200 watt 1%	1.0-2.2K 2.21K-5K 5.1K-10K	3.36	3.30	3.06	2.75	
284-HS250-(Value)F	C	250 watt 1%	1.0-2.2K 2.21K-5K 5.1K-10K	10.47	10.28	9.52	8.57	
284-HS300-(Value)F	C	300 watt 1%	1.0-2.2K 2.21K-5K 5.1K-10K	36.06	32.78	29.80	27.09	
284-NHS100-(Value)F	C	100 watt 1%	2.0, 4.0, 8.0, 16, 50	38.18	34.71	31.56	28.69	
284-NHS200-(Value)F	C	200 watt 1%		40.76	37.05	33.68	30.62	
284-NHS300-(Value)F	C	300 watt 1%		40.85	37.13	33.76	30.69	
				45.07	40.97	37.25	33.86	
				47.74	43.40	39.45	35.87	
				50.92	46.29	42.08	38.26	
				53.19	48.35	43.96	39.96	
				55.45	50.41	45.83	41.66	
				1	2	5	25	
				19.95	17.25	15.95	14.95	
				39.95	35.95	32.25	29.95	
				69.95	62.95	56.49	50.75	

THICK FILM POWER RESISTORS FPA SERIES



2	6.8	22	100	470	3.3K
2.2	8	33	150	680	4.7K
3.3	10	47	220	1K	6.8K
4	15	50	300	1.5K	10K
4.7	16	68	330	2.2K	22K

Features:

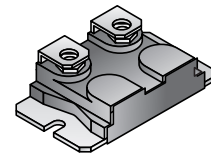
- ISOTOP/SOT227 semiconductor style package
- 100W dissipation in a small footprint
- Very low inductance
- Direct heatsink mounting - 0.85°C/W
- Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications

Specifications:

- TCR: 250ppm
- Power rating at 25°C: 100W
- Max working voltage: 1kV
- Working temp. range: -55°C to +155°C
- Non-Heatsink mounted rating - 2.5W

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA100-Value	22.63	20.57	18.70	17.00



	Dimensions (mm)					
	A	B	C	D	E	F
MIN	38.00	30.10	12.60	4.00	4.10	24.40
MAX	38.20	30.30	12.80	N/A	4.30	25.40
	G	J	K	L	M	N
MIN	7.80	14.9	0.75	1.95	8.9	12.5
MAX	8.20	15.1	0.85	2.05	9.1	13.5

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

ALPS 9MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

Features:

- Thanks to its structure eliminating openings, the dust proofing capacity and flux resistance have been improved
- 9.8mm outline size is ideal for high-density set design.

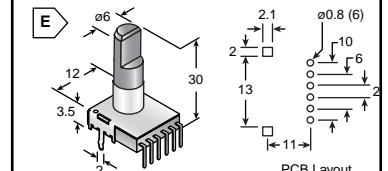
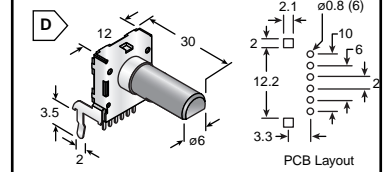
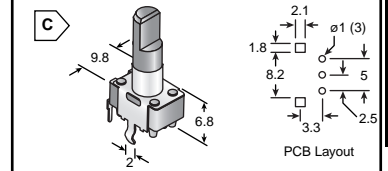
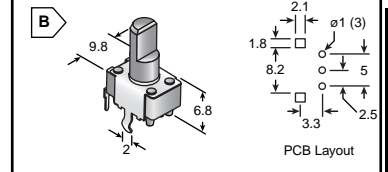
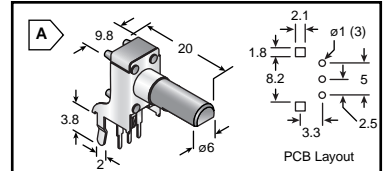
Applications:

Suitable for various control applications with audio products, visual products, electronic musical instruments.

Cross Reference	
ALPS RK09	Panasonic EVU

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK09D1110C0R	RK09D1110C0R	50K	A	Linear	W/O	Metal	Horizontal	1.48	1.20	.94	.56	.40
688-RK09D1130009	RK09D1130009	10K	B	Linear	Center	W/O	Vertical	1.48	1.20	.94	.56	.40
688-RK09D113000D	RK09D113000D	50K	C	Linear	Center	Metal	Vertical	1.52	1.22	.96	.56	.40
688-RK09D113000F	RK09D113000F	10K	C	Linear	Center	Metal	Vertical	1.52	1.22	.96	.56	.40
688-RK09D113000K	RK09D113000K	50K	B	Linear	Center	W/O	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A07	RK09D1130A07	5K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A0S	RK09D1130A0S	50K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A0Z	RK09D1130A0Z	20K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A1N	RK09D1130A1N	10K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130C3U	RK09D1130C3U	10K	B	Linear	W/O	W/O	Vertical	1.48	1.20	.94	.56	.40



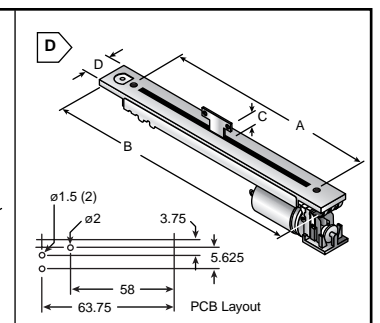
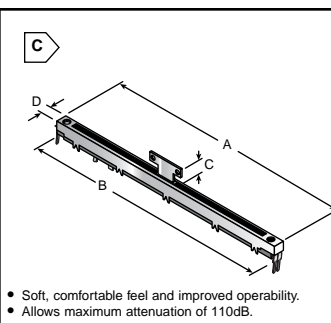
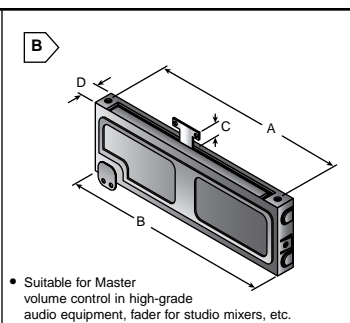
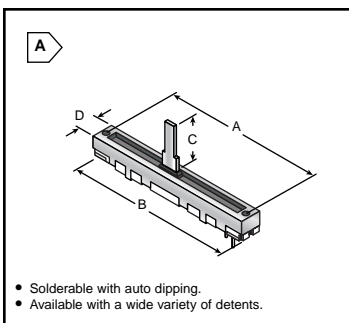
ALPS 12MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

- Enhanced structural design has improved cross talk and gang error characteristics.
- R-shaped shaft end point prevents catching when inserting the knob.
- Solder bridges can hardly appear thanks to terminal configuration.

Cross Reference	
ALPS RK12	Panasonic EVJ

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK12L1210C0H	RK12L1210C0H	10K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C0K	RK12L1210C0K	20K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C0L	RK12L1210C0L	50K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C1K	RK12L1210C1K	10K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1210C1M	RK12L1210C1M	20K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1210C1N	RK12L1210C1N	50K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1230007	RK12L1230007	20K	E	Fader	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L123000E	RK12L123000E	50K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L123000G	RK12L123000G	10K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C03	RK12L1230C03	10K	E	Fader	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C1T	RK12L1230C1T	20K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C36	RK12L1230C36	5K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L12C0A0A	RK12L12C0A0A	20K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0A0G	RK12L12C0A0G	10K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0A0H	RK12L12C0A0H	50K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0C0P	RK12L12C0C0P	5K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66



ALPS SLIDE OPERATION POTENTIOMETERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Panasonic Cross Reference	Value Ohm	Fig.	Taper	Dimensions				Travel (mm)	Unit	Style	Price Each				
						A	B	C	D				1	25	50	100	200
688-RS45111A6A08	RS45111A6A08	EWA-P12C15B14	10K	A	Linear	56	60	15	8	45	Single	Std	2.75	2.25	1.87	1.65	1.51
688-RS45112A6A05	RS45112A6A05	EWA-P30C15A14	10K	A	Linear	56	60	15	8	45	Dual	Std	3.50	2.80	2.30	2.10	1.78
688-RS45112A600J	RS45112A600J	- - - - -	10K	A	Audio	56	60	15	8	45	Dual	Std	3.50	2.80	2.30	2.10	1.78
688-RS60112A600U	RS60112A600U	EWA-Q30C15A14	10K	A	Audio	71	75	15	9	60	Dual	Std	4.00	3.20	2.65	2.40	2.26
688-RS6011YA6009	RS6011YA6009	EWA-Q12C15B14	10K	A	Linear	71	75	15	9	60	Single	Std	3.30	2.65	2.20	2.00	1.76
688-RS60K11A9000	RS60K11A9000	EVA-JXCP08Y14	10K	B	7% Audio	80	92.6	8.2	13.4	60	Single	Rail	30.00	28.00	26.00	25.00	20.00
688-RSA0K11A9005	RSA0K11A9005	EVA-JYMP08B14	10K	B	Linear	120	128	8.2	4	100	Single	Rail	37.00	34.00	31.00	29.00	25.00
688-RSA0K12A9001	RSA0K12A9001	EVB-JYBP08Y14	10K	B	7% Audio	120	132.6	8.2	13.9	100	Dual	Rail	37.00	34.00	31.00	29.00	25.00
688-RSA0N1119A02	RSA0N1119A02	EVA-JQLR15B14	10K	B	Linear	120	128	8.2	16	100	Single	Thin	8.50	6.80	5.60	5.10	5.00
688-RS60N1219A04	RS60N1219A04	EVB-NADR15A14	10K	B	Audio	80	88	8.2	16	60	Dual	Thin	8.00	6.25	5.30	4.80	4.75
688-RSA0N11S9005	RSA0N11S9005	EVA-NF4R15A14	10K	C	Linear	120	132.6	8.2	13.9	100	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RSA0N11S9A08	RSA0N11S9A08	EVA-NF4R15D14	10K	C	10% Audio	120	128	8.25	8.4	100	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RSA0N11S9002	RSA0N11S9002	EVA-NF3R15B14	10K	C	Linear	120	128	8.2	4	100	Single	Mono	7.00	5.50	4.70	4.25	4.00
688-RS60N11S6A02	RS60N11S6A02	EVA-NE4R15A14	10K	C	Audio	80	88	14	4	60	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RS60N11S6A04	RS60N11S6A04	EVA-NE3R15B14	10K	C	Linear	80	88	14	4	60	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RSA0N11M9A05	RSA0N11M9A05	EVB-NC2P08BBL	10K	D	7% Audio	120	146.5	802	17	100	Single	Motor	47.00	42.00	39.00	37.00	35.00

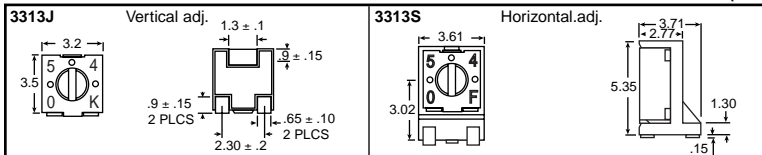
NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Bourns Single-Turn Cermet Trimmer Potentiometers



3313 SERIES 3mm SQUARE/ SEALED

DIMENSIONS (mm)



Features:

- Surface Mount 3mm square single-turn cermet / sealed.

Specifications:

- Resistance tolerance: $\pm 20\%$ std.
- Power rating: $70^\circ\text{C} - 0.125\text{W}$
- Rotational life: 100 cycles



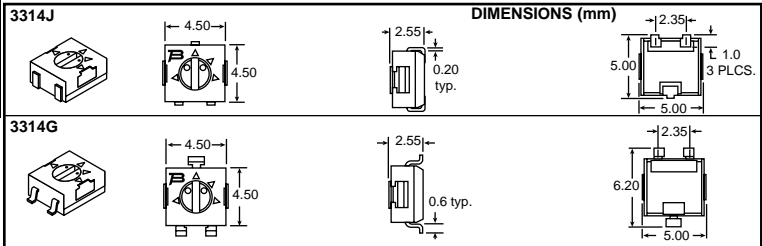
Value (Ω)	3313J	3313S
	MOUSER STOCK NO.	
100	652-3313J-1-101E	652-3313S-1-101E
200	652-3313J-1-201E	652-3313S-1-201E
500	652-3313J-1-501E	652-3313S-1-501E
1K	652-3313J-1-102E	652-3313S-1-102E
2K	652-3313J-1-202E	652-3313S-1-202E
5K	652-3313J-1-502E	652-3313S-1-502E
10K	652-3313J-1-103E	652-3313S-1-103E
20K	652-3313J-1-203E	652-3313S-1-203E
50K	652-3313J-1-503E	652-3313S-1-503E
100K	652-3313J-1-104E	652-3313S-1-104E

For quantities of 5,000 or more, call for quote.

Series No.	Price Each			Reel Qty.	Price Per Piece	
	1	100	500		1000	2000
3313J, 3313S	1.50	1.20	1.08	1000	.90	.85

3314 SERIES 4mm SQUARE/ SMD/ INDUSTRIAL/ SEALED

DIMENSIONS (mm)



Specifications:

- Resistance tolerance: $\pm 10\%$ std.
- Power rating: $85^\circ\text{C} - 0.25\text{W}$; $150^\circ\text{C} - 0\text{W}$
- Temperature range: -65°C to $+150^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$
- Reels of 500 pieces available

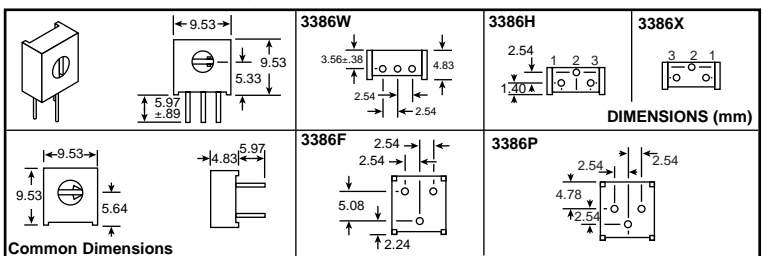
For quantities of 5,000 or more, call for quote.

Series No.	Price Each			Reel Qty.	Price Per Piece	
	1	100	500		1000	2000
3314J, 3314G	1.80	1.56	500	.98	.95	.90

Value (Ω)	3314J Series		3314G Series			
	MOUSER STOCK NO.					
100	652-3314J-1-101E		652-3314G-1-101E			
200	652-3314J-1-201E		652-3314G-1-201E			
500	652-3314J-1-501E		652-3314G-1-501E			
1K	652-3314J-1-102E		652-3314G-1-102E			
2K	652-3314J-1-202E		652-3314G-1-202E			
5K	652-3314J-1-502E		652-3314G-1-502E			
10K	652-3314J-1-103E		652-3314G-1-103E			
20K	652-3314J-1-203E		652-3314G-1-203E			
50K	652-3314J-1-503E		652-3314G-1-503E			
100K	652-3314J-1-104E		652-3314G-1-104E			

3386 SERIES 3/8" SQUARE/ INDUSTRIAL/ SEALED

DIMENSIONS (mm)



Specifications:

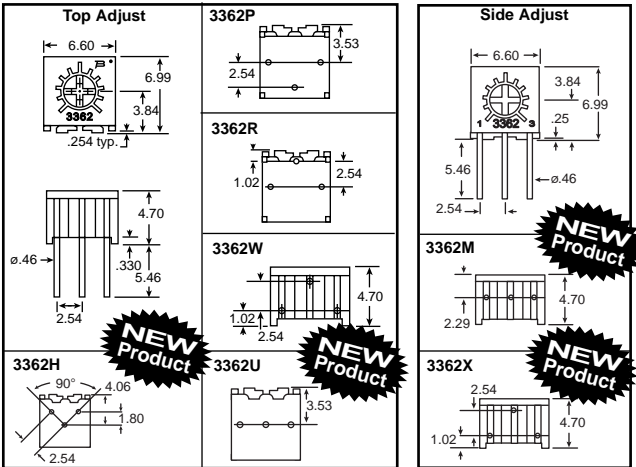
- Resistance tolerance: $\pm 10\%$ std.
- Power rating: $85^\circ\text{C} - 0.5\text{W}$; $125^\circ\text{C} - 0\text{W}$
- Temperature range: -55°C to $+125^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3386W, F, H, P, X	1.10	.95	.82	.78	.74	.68

Value (Ω)	3386W Series	3386F Series	3386H Series	3386P Series	3386X Series
	MOUSER STOCK NO.				
50	652-3386W-1-500	652-3386F-1-500	652-3386H-1-500	652-3386P-1-500	652-3386X-1-500
100	652-3386W-1-101	652-3386F-1-101	652-3386H-1-101	652-3386P-1-101	652-3386X-1-101
200	652-3386W-1-201	652-3386F-1-201	652-3386H-1-201	652-3386P-1-201	652-3386X-1-201
500	652-3386W-1-501	652-3386F-1-501	652-3386H-1-501	652-3386P-1-501	652-3386X-1-501
1K	652-3386W-1-102	652-3386F-1-102	652-3386H-1-102	652-3386P-1-102	652-3386X-1-102
2K	652-3386W-1-202	652-3386F-1-202	652-3386H-1-202	652-3386P-1-202	652-3386X-1-202
5K	652-3386W-1-502	652-3386F-1-502	652-3386H-1-502	652-3386P-1-502	652-3386X-1-502
10K	652-3386W-1-103	652-3386F-1-103	652-3386H-1-103	652-3386P-1-103	652-3386X-1-103
20K	652-3386W-1-203	652-3386F-1-203	652-3386H-1-203	652-3386P-1-203	652-3386X-1-203
25K	652-3386W-1-253	652-3386F-1-253	-----	652-3386P-1-253	652-3386X-1-253
50K	652-3386W-1-503	652-3386F-1-503	652-3386H-1-503	652-3386P-1-503	652-3386X-1-503
100K	652-3386W-1-104	652-3386F-1-104	652-3386H-1-104	652-3386P-1-104	652-3386X-1-104
200K	652-3386W-1-204	652-3386F-1-204	652-3386H-1-204	652-3386P-1-204	652-3386X-1-204
500K	652-3386W-1-254	652-3386F-1-254	652-3386H-1-254	652-3386P-1-254	652-3386X-1-254
20K	652-3386W-1-504	652-3386F-1-504	652-3386H-1-504	652-3386P-1-504	652-3386X-1-504
25K	652-3386W-1-105	652-3386F-1-105	652-3386H-1-105	652-3386P-1-105	652-3386X-1-105
50K	652-3386W-1-205	652-3386F-1-205	652-3386H-1-205	652-3386P-1-205	652-3386X-1-205

3362 SERIES 1/4" SQUARE/ INDUSTRIAL/ SEALED



Specifications:

- Resistance tolerance: $\pm 10\%$ std.
- Power rating: $70^\circ\text{C} - 0.50\text{W}$; $125^\circ\text{C} - 0\text{W}$
- Temperature range: -55°C to $+125^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

Features:

- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning process

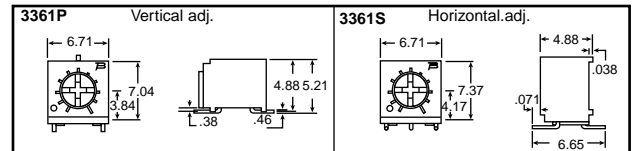
For quantities of 5,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	500	1000	
3362H, M, P, R, U, W, X	.83	.75	.67	.61	.55	.49

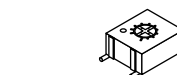
Value (Ω)	3362P Series	3362R Series	3362W Series	
	MOUSER STOCK NO.			
100	652-3362P-1-101	652-3362R-1-101	652-3362W-1-101	652-3362X-1-101
200	652-3362P-1-201	652-3362R-1-201	652-3362W-1-201	652-3362X-1-201
500	652-3362P-1-501	652-3362R-1-501	652-3362W-1-501	652-3362X-1-501
1K	652-3362P-1-102	652-3362R-1-102	652-3362W-1-102	652-3362X-1-102
2K	652-3362P-1-202	652-3362R-1-202	652-3362W-1-202	652-3362X-1-202
5K	652-3362P-1-502	652-3362R-1-502	652-3362W-1-502	652-3362X-1-502
10K	652-3362P-1-103	652-3362R-1-103	652-3362W-1-103	652-3362X-1-103
20K	652-3362P-1-203	652-3362R-1-203	652-3362W-1-203	652-3362X-1-203
25K	652-3362P-1-253	652-3362R-1-253	652-3362W-1-253	652-3362X-1-253
50K	652-3362P-1-503	652-3362R-1-503	652-3362W-1-503	652-3362X-1-503
100K	652-3362P-1-104	652-3362R-1-104	652-3362W-1-104	652-3362X-1-104

Value (Ω)	3362H Series	3362M Series	3362U Series	3362X Series
	MOUSER STOCK NO.			
100	652-3362H-1-101	652-3362M-1-101	652-3362U-1-101	652-3362X-1-101
200	652-3362H-1-201	652-3362M-1-201	652-3362U-1-201	652-3362X-1-201
500	652-3362H-1-501	652-3362M-1-501	652-3362U-1-501	652-3362X-1-501
1K	652-3362H-1-102	652-3362M-1-102	652-3362U-1-102	652-3362X-1-102
2K	652-3362H-1-202	652-3362M-1-202	652-3362U-1-202	652-3362X-1-202
5K	652-3362H-1-502	652-3362M-1-502	652-3362U-1-502	652-3362X-1-502
10K	652-3362H-1-103	652-3362M-1-103	652-3362U-1-103	652-3362X-1-103
20K	652-3362H-1-203	652-3362M-1-203	652-3362U-1-203	652-3362X-1-203
25K	652-3362H-1-253	652-3362M-1-253	652-3362U-1-253	652-3362X-1-253
50K	652-3362H-1-503	652-3362M-1-503	652-3362U-1-503	652-3362X-1-503
100K	652-3362H-1-104	652-3362M-1-104	652-3362U-1-104	652-3362X-1-104

3361 SERIES 1/4" SQUARE/ CERMET/ SEALED



DIMENSIONS (mm)



Features:

- Single-turn cermet / sealed.

Specifications:

- Resistance tolerance: $\pm 10\%$ std.
- Power rating: .50W
- Rotational life: 200 cycles

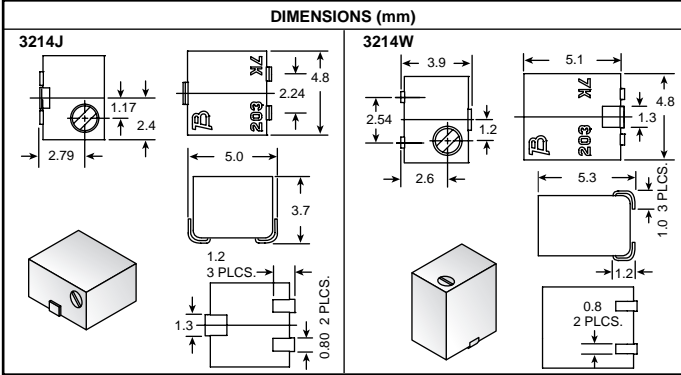
Series No.	Price Each					Reel Qty.	Price Each
	1	10	50	100			
3361P	.95	.88	.79	.70	750	.60	
3361S	.95	.88	.79	.70	500	.60	

Value (Ω)	3361P	3361S
	MOUSER STOCK NO.	
100	652-3361P-1-101G	652-3361S-1-101G
200	652-3361P-1-201G	652-3361S-1-201G
500	652-3361P-1-501G	652-3361S-1-501G
1K	652-3361P-1-102G	652-3361S-1-102G
2K	652-3361P-1-202G	652-3361S-1-202G
5K	652-3361P-1-502G	652-3361S-1-502G
10K	652-3361P-1-103G	652-3361S-1-103G
20K	652-3361P-1-203G	652-3361S-1-203G
25K	652-3361P-1-253G	652-3361S-1-253G
50K	652-3361P-1-503G	652-3361S-1-503G
100K	652-3361P-1-104G	652-3361S-1-104G

Bourns Multi-Turn Cermet Trimmer Potentiometers



BOURNS 3214 SERIES 4mm SQUARE SMD/5 TURN/SEALED



Specifications:

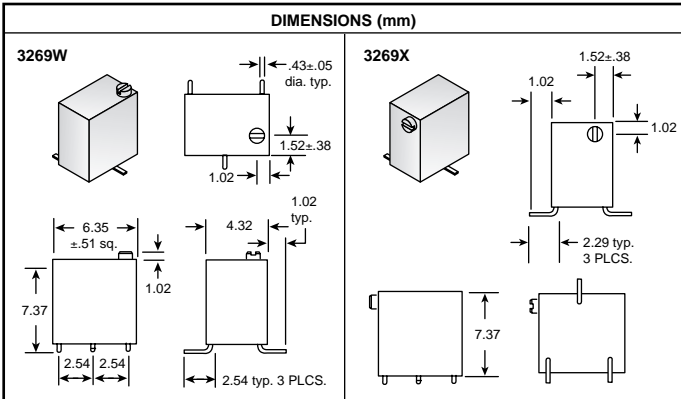
- Resistance tolerance: $\pm 10\%$ std.
- Power rating: $85^\circ\text{C} - 0.25\text{W}$; $150^\circ\text{C} - 0\text{W}$
- Temperature range: -65°C to $+150^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

For full reels, add-TR to Mouser Stock No.

Series No.	Price Each		
	1	100	250
3214J, 3214W	3.22	2.39	1.95

Value (Ω)	3214J Series	3214W Series
	MOUSER STOCK NO.	
100	652-3214J-1-101E	652-3214W-1-101E
200	652-3214J-1-201E	652-3214W-1-201E
500	652-3214J-1-501E	652-3214W-1-501E
1K	652-3214J-1-102E	652-3214W-1-102E
2K	652-3214J-1-202E	652-3214W-1-202E
5K	652-3214J-1-502E	652-3214W-1-502E
10K	652-3214J-1-103E	652-3214W-1-103E
20K	652-3214J-1-203E	652-3214W-1-203E
50K	652-3214J-1-503E	652-3214W-1-503E
100K	652-3214J-1-104E	652-3214W-1-104E

BOURNS 3269 SERIES 1/4" SQUARE/SMD/12 TURN/SEALED



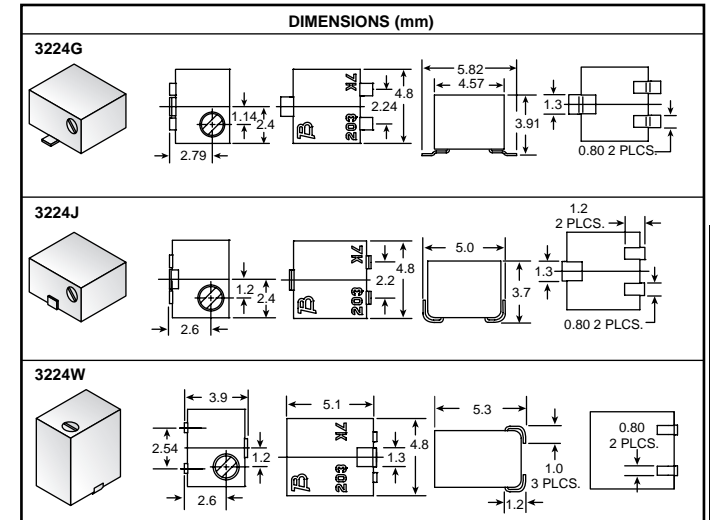
Specifications:

- Resistance tolerance: $\pm 10\%$ std.
- Power rating: $85^\circ\text{C} - 0.25\text{W}$; $150^\circ\text{C} - 0\text{W}$
- Temperature range: -65°C to $+150^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

Series No.	Price Each		
	1	10	50
3269W, 3269X	3.60	3.28	2.90

Value (Ω)	3269W Series	3269X Series
	MOUSER STOCK NO.	
50	652-3269W-1-500	652-3269X-1-500
100	652-3269W-1-101	652-3269X-1-101
200	652-3269W-1-201	652-3269X-1-201
500	652-3269W-1-501	652-3269X-1-501
1K	652-3269W-1-102	652-3269X-1-102
2K	652-3269W-1-202	652-3269X-1-202
5K	652-3269W-1-502	652-3269X-1-502
10K	652-3269W-1-103	652-3269X-1-103
20K	652-3269W-1-203	652-3269X-1-203
50K	652-3269W-1-503	652-3269X-1-503
100K	652-3269W-1-104	652-3269X-1-104
200K	652-3269W-1-204	652-3269X-1-204
500K	652-3269W-1-504	652-3269X-1-504
1M	652-3269W-1-105	652-3269X-1-105

BOURNS 3224 SERIES 4mm SQUARE/SMD/11 TURN/SEALED



Specifications:

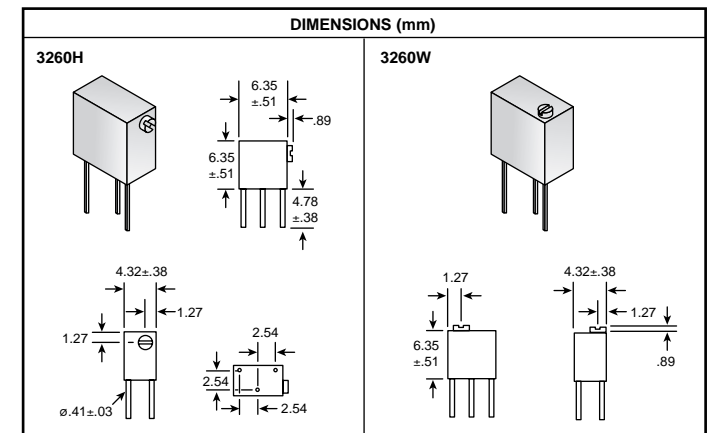
- Resistance tolerance: $\pm 10\%$ std.
- Power rating: $85^\circ\text{C} - 0.25\text{W}$; $150^\circ\text{C} - 0\text{W}$
- Temperature range: -65°C to $+150^\circ\text{C}$
- Temperature coefficient: $\pm 100\text{ppm}/^\circ\text{C}$

For full reels, add-TR to Mouser Stock No.

Series No.	Price Each		
	1	100	250
3224G, J, W	5.19	3.88	3.17

Value (Ω)	3224G Series	3224J Series	3224W Series
	MOUSER STOCK NO.		
100	652-3224G-1-101E	652-3224J-1-101E	652-3224W-1-101E
500	652-3224G-1-501E	652-3224J-1-501E	652-3224W-1-501E
1K	652-3224G-1-102E	652-3224J-1-102E	652-3224W-1-102E
2K	652-3224G-1-202E	652-3224J-1-202E	652-3224W-1-202E
5K	652-3224G-1-502E	652-3224J-1-502E	652-3224W-1-502E
10K	652-3224G-1-103E	652-3224J-1-103E	652-3224W-1-103E
20K	652-3224G-1-203E	652-3224J-1-203E	652-3224W-1-203E
50K	652-3224G-1-503E	652-3224J-1-503E	652-3224W-1-503E
100K	652-3224G-1-104E	652-3224J-1-104E	652-3224W-1-104E

BOURNS 3260 SERIES 1/4" SQUARE/11 TURN/SEALED



Specifications:

- Resistance tolerance: $\pm 5\%$ std.
- Power rating: $85^\circ\text{C} - 0.25\text{W}$; $150^\circ\text{C} - 0\text{W}$
- Temperature range: -65°C to $+150^\circ\text{C}$
- Temperature coefficient: $\pm 70\text{ppm}/^\circ\text{C}$

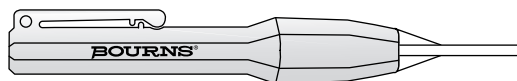
Series No.	Price Each		
	1	10	50
3260H, 3260W	27.17	24.70	21.24

Value (Ω)	3260H Series	3260W Series
	MOUSER STOCK NO.	
500	652-3260H-1-501	-----
1K	652-3260H-1-102	652-3260W-1-102
2K	652-3260H-1-202	652-3260W-1-202
5K	-----	652-3260W-1-502
10K	652-3260H-1-103	-----
20K	652-3260H-1-203	-----

BOURNS LIGHTED TRIMMER ADJUSTMENT TOOL

Features:

- High intensity Xenon beam
- Two tool tip sizes
- Red and blue/green vision aid lenses
- Approved for hazardous location use
- Batteries included



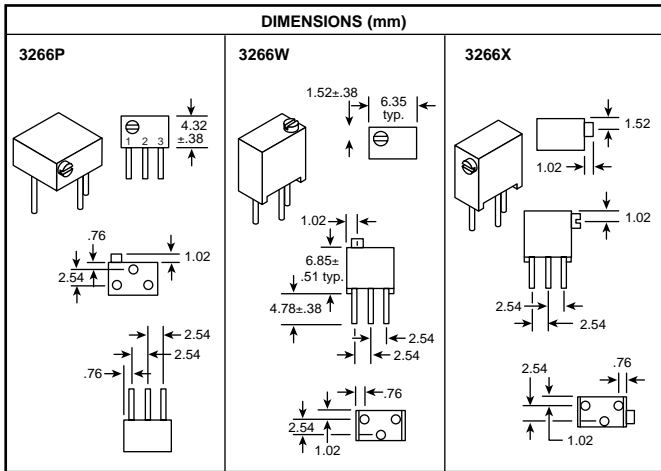
MOUSER STOCK NO.	Price Each	
	1	5
652-H-200	16.95	13.50

Bourns Multi-Turn Cermet Trimmer Potentiometers



Bourns Potentiometers

3266 SERIES 1/4" SQUARE/ 12 TURN/ SEALED



For quantities of 2,000 or more, call for quote.

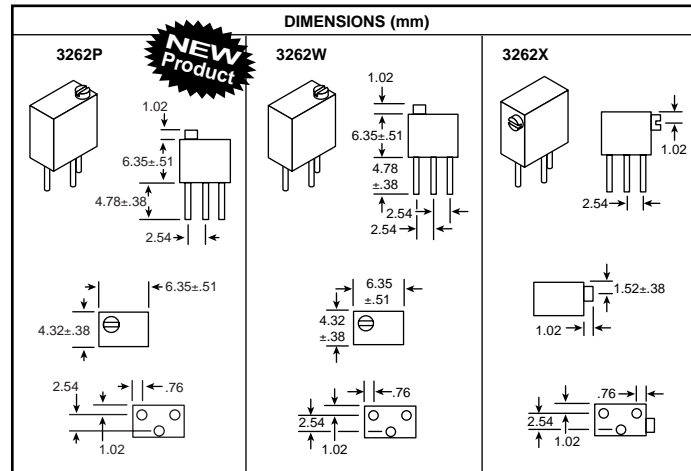
Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

Series No.	Price Each					
	1	10	50	100	500	1000
3266P, 3266W, 3266X	2.94	2.50	2.39	2.26	2.14	2.02

Value (Ω)	3266P Series	3266W Series	3266X Series
	MOUSER STOCK NO.		
50	652-3266P-1-500	652-3266W-1-500	652-3266X-1-500
100	652-3266P-1-101	652-3266W-1-101	652-3266X-1-101
200	652-3266P-1-201	652-3266W-1-201	652-3266X-1-201
500	652-3266P-1-501	652-3266W-1-501	652-3266X-1-501
1K	652-3266P-1-102	652-3266W-1-102	652-3266X-1-102
2K	652-3266P-1-202	652-3266W-1-202	652-3266X-1-202
5K	652-3266P-1-502	652-3266W-1-502	652-3266X-1-502
10K	652-3266P-1-103	652-3266W-1-103	652-3266X-1-103
20K	652-3266P-1-203	652-3266W-1-203	652-3266X-1-203
25K	652-3266P-1-253	652-3266W-1-253	652-3266X-1-253
50K	652-3266P-1-503	652-3266W-1-503	652-3266X-1-503
100K	652-3266P-1-104	652-3266W-1-104	652-3266X-1-104
200K	652-3266P-1-204	652-3266W-1-204	652-3266X-1-204
500K	652-3266P-1-504	652-3266W-1-504	652-3266X-1-504
1M	652-3266P-1-105	652-3266W-1-105	652-3266X-1-105

3262 SERIES 1/4" SQUARE/ 12 TURN/ SEALED



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

Features:

- Listed on the QPL for style RJ26 per MIL-R-22097 and RJR26 per High-Rel MIL-R-39035
- Patent #4427966 drive mechanism

For quantities of 5,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3262P, 3262W, 3262X	14.30	12.53	11.18	9.05	8.50	8.00

Value (Ω)	3262P Series	3262W Series	3262X Series
	MOUSER STOCK NO.		
100	652-3262P-1-101	652-3262W-1-101	652-3262X-1-101
200	652-3262P-1-201	652-3262W-1-201	652-3262X-1-201
500	652-3262P-1-501	652-3262W-1-501	652-3262X-1-501
1K	652-3262P-1-102	652-3262W-1-102	652-3262X-1-102
2K	652-3262P-1-202	652-3262W-1-202	652-3262X-1-202
5K	652-3262P-1-502	652-3262W-1-502	652-3262X-1-502
10K	652-3262P-1-103	652-3262W-1-103	652-3262X-1-103
20K	652-3262P-1-203	652-3262W-1-203	652-3262X-1-203
25K	652-3262P-1-253	652-3262W-1-253	652-3262X-1-253
50K	652-3262P-1-503	652-3262W-1-503	652-3262X-1-503
100K	652-3262P-1-104	652-3262W-1-104	652-3262X-1-104
200K	652-3262P-1-204	652-3262W-1-204	652-3262X-1-204
250K	652-3262P-1-254	652-3262W-1-254	652-3262X-1-254
500K	652-3262P-1-504	652-3262W-1-504	652-3262X-1-504

3299 SERIES 3/8" SQUARE/ 25 TURN/ SEALED

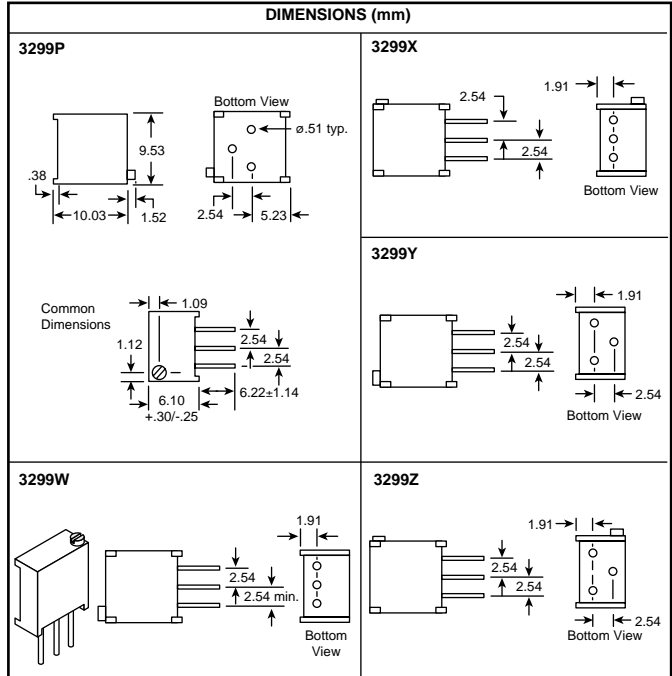
For quantities of 1,000 or more, call for quote.

Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.5W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

Series No.	Price Each				
	1	10	50	100	500
3299P, 3299Z	2.68	2.49	2.00	1.88	1.81
3299W, X, Y	2.50	2.33	2.07	1.85	1.70

Value (Ω)	3299P Series	3299W Series	3299X Series	3299Y Series	3299Z Series
	MOUSER STOCK NO.				
10	652-3299P-1-100	652-3299W-1-100	652-3299X-1-100	652-3299Y-1-100	652-3299Z-1-100
20	652-3299P-1-200	652-3299W-1-200	652-3299X-1-200	652-3299Y-1-200	652-3299Z-1-200
50	652-3299P-1-500	652-3299W-1-500	652-3299X-1-500	652-3299Y-1-500	652-3299Z-1-500
100	652-3299P-1-101	652-3299W-1-101	652-3299X-1-101	652-3299Y-1-101	652-3299Z-1-101
200	652-3299P-1-201	652-3299W-1-201	652-3299X-1-201	652-3299Y-1-201	652-3299Z-1-201
500	652-3299P-1-501	652-3299W-1-501	652-3299X-1-501	652-3299Y-1-501	652-3299Z-1-501
1K	652-3299P-1-102	652-3299W-1-102	652-3299X-1-102	652-3299Y-1-102	652-3299Z-1-102
2K	652-3299P-1-202	652-3299W-1-202	652-3299X-1-202	652-3299Y-1-202	652-3299Z-1-202
5K	652-3299P-1-502	652-3299W-1-502	652-3299X-1-502	652-3299Y-1-502	652-3299Z-1-502
10K	652-3299P-1-103	652-3299W-1-103	652-3299X-1-103	652-3299Y-1-103	652-3299Z-1-103
20K	652-3299P-1-203	652-3299W-1-203	652-3299X-1-203	652-3299Y-1-203	652-3299Z-1-203
25K	652-3299P-1-253	652-3299W-1-253	652-3299X-1-253	652-3299Y-1-253	652-3299Z-1-253
50K	652-3299P-1-503	652-3299W-1-503	652-3299X-1-503	652-3299Y-1-503	652-3299Z-1-503
100K	652-3299P-1-104	652-3299W-1-104	652-3299X-1-104	652-3299Y-1-104	652-3299Z-1-104
200K	652-3299P-1-204	652-3299W-1-204	652-3299X-1-204	652-3299Y-1-204	652-3299Z-1-204
250K	652-3299P-1-254	652-3299W-1-254	652-3299X-1-254	652-3299Y-1-254	652-3299Z-1-254
500K	652-3299P-1-504	652-3299W-1-504	652-3299X-1-504	652-3299Y-1-504	652-3299Z-1-504
1M	652-3299P-1-105	652-3299W-1-105	652-3299X-1-105	652-3299Y-1-105	652-3299Z-1-105
2M	652-3299P-1-205	652-3299W-1-205	652-3299X-1-205	652-3299Y-1-205	652-3299Z-1-205



BOURNS 3296 SERIES 3/8" SQUARE/ 25 TURN/ SEALED

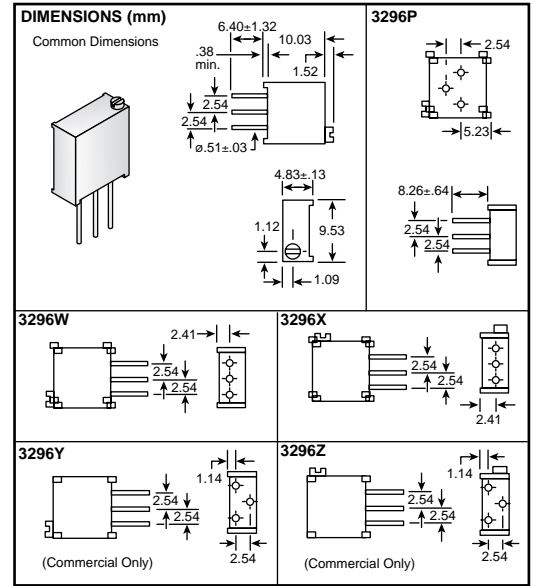
- Features:**
- 5 terminal styles
 - Chevron seal design

- Specifications:**
- Resistance tolerance: $\pm 10\%$ std.
 - Power rating: 70°C - 0.5W; 125°C - 0W
 - Temperature range: -55°C to +150°C
 - Temperature coefficient: ± 100 ppm/°C

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3296P, 3296Z	2.37	2.12	1.89	1.81	1.70	1.60
3296W, X, Y	2.20	2.00	1.75	1.68	1.50	1.40

Value (Ω)	3296P Series	3296W Series	3296X Series	3296Y Series	3296Z Series
	MOUSER STOCK NO.				
10	652-3296P-1-100	652-3296W-1-100	652-3296X-1-100	652-3296Y-1-100	652-3296Z-1-100
20	652-3296P-1-200	652-3296W-1-200	652-3296X-1-200	652-3296Y-1-200	652-3296Z-1-200
50	652-3296P-1-500	652-3296W-1-500	652-3296X-1-500	652-3296Y-1-500	652-3296Z-1-500
100	652-3296P-1-101	652-3296W-1-101	652-3296X-1-101	652-3296Y-1-101	652-3296Z-1-101
200	652-3296P-1-201	652-3296W-1-201	652-3296X-1-201	652-3296Y-1-201	652-3296Z-1-201
500	652-3296P-1-501	652-3296W-1-501	652-3296X-1-501	652-3296Y-1-501	652-3296Z-1-501
1K	652-3296P-1-102	652-3296W-1-102	652-3296X-1-102	652-3296Y-1-102	652-3296Z-1-102
2K	652-3296P-1-202	652-3296W-1-202	652-3296X-1-202	652-3296Y-1-202	652-3296Z-1-202
5K	652-3296P-1-502	652-3296W-1-502	652-3296X-1-502	652-3296Y-1-502	652-3296Z-1-502
10K	652-3296P-1-103	652-3296W-1-103	652-3296X-1-103	652-3296Y-1-103	652-3296Z-1-103
20K	652-3296P-1-203	652-3296W-1-203	652-3296X-1-203	652-3296Y-1-203	652-3296Z-1-203
25K	652-3296P-1-253	652-3296W-1-253	652-3296X-1-253	652-3296Y-1-253	652-3296Z-1-253
50K	652-3296P-1-503	652-3296W-1-503	652-3296X-1-503	652-3296Y-1-503	652-3296Z-1-503
100K	652-3296P-1-104	652-3296W-1-104	652-3296X-1-104	652-3296Y-1-104	652-3296Z-1-104
200K	652-3296P-1-204	652-3296W-1-204	652-3296X-1-204	652-3296Y-1-204	652-3296Z-1-204
250K	652-3296P-1-254	652-3296W-1-254	652-3296X-1-254	652-3296Y-1-254	652-3296Z-1-254
500K	652-3296P-1-504	652-3296W-1-504	652-3296X-1-504	652-3296Y-1-504	652-3296Z-1-504
1M	652-3296P-1-105	652-3296W-1-105	652-3296X-1-105	652-3296Y-1-105	652-3296Z-1-105
2M	652-3296P-1-205	652-3296W-1-205	652-3296X-1-205	652-3296Y-1-205	652-3296Z-1-205



Potentiometers
Bourns

BOURNS 3006 SERIES 3/4" RECTANGULAR/ 15 TURN/ SEALED

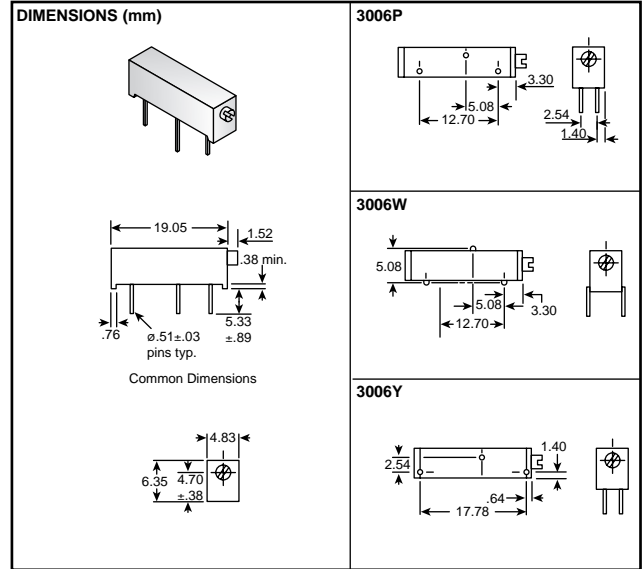
- Features:**
- Low PC board profile - only 1/4" high

- Specifications:**
- Resistance tolerance: $\pm 10\%$ std.
 - Power rating: 70°C - 0.75W; 125°C - 0W
 - Temperature range: -55°C to +125°C
 - Temperature coefficient: ± 100 ppm/°C

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3006P	1.55	1.41	1.28	1.20	1.10	1.00
3006W, 3006Y	1.66	1.50	1.35	1.29	1.18	1.07

Value (Ω)	3006P Series	3006W Series	3006Y Series
	MOUSER STOCK NO.		
100	652-3006P-1-101	652-3006W-1-101	652-3006Y-1-101
200	652-3006P-1-201	652-3006W-1-201	-----
500	652-3006P-1-501	652-3006W-1-501	652-3006Y-1-501
1K	652-3006P-1-102	652-3006W-1-102	652-3006Y-1-102
2K	652-3006P-1-202	652-3006W-1-202	652-3006Y-1-202
5K	652-3006P-1-502	652-3006W-1-502	652-3006Y-1-502
10K	652-3006P-1-103	652-3006W-1-103	652-3006Y-1-103
20K	652-3006P-1-203	652-3006W-1-203	652-3006Y-1-203
25K	652-3006P-1-253	652-3006W-1-253	-----
50K	652-3006P-1-503	652-3006W-1-503	652-3006Y-1-503
100K	652-3006P-1-104	652-3006W-1-104	652-3006Y-1-104
200K	652-3006P-1-204	-----	-----
250K	652-3006P-1-254	652-3006W-1-254	-----
500K	652-3006P-1-504	652-3006W-1-504	652-3006Y-1-504
1M	652-3006P-1-105	652-3006W-1-105	-----



BOURNS 3059 SERIES 1-1/4" RECTANGULAR/ 22 TURN/ SEALED

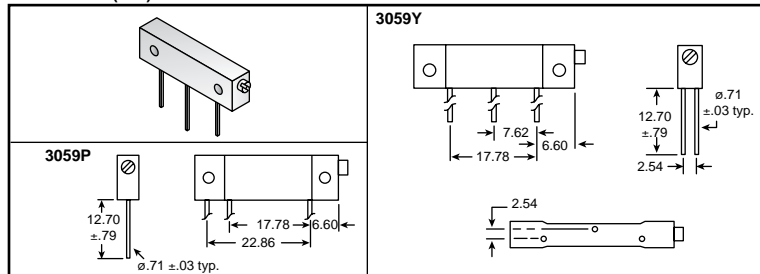
Specifications:

- Resistance tolerance: $\pm 10\%$ std.
- Power rating: 70°C - 1.0W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ± 100 ppm/°C

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3059P, 3059Y	5.34	4.76	4.14	3.87	3.65	3.49

DIMENSIONS (mm)

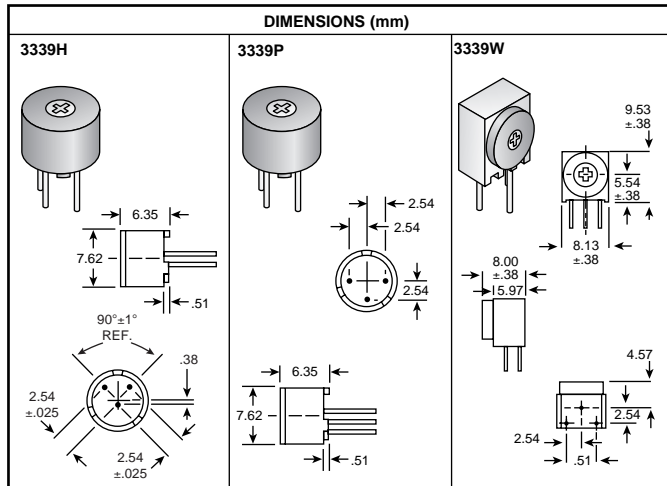


Value (Ω)	3059P Series	3059Y Series
	MOUSER STOCK NO.	
100	652-3059P-1-101	652-3059Y-1-101
200	652-3059P-1-201	652-3059Y-1-201
500	652-3059P-1-501	652-3059Y-1-501
1K	652-3059P-1-102	652-3059Y-1-102
2K	652-3059P-1-202	652-3059Y-1-202
5K	652-3059P-1-502	652-3059Y-1-502
10K	652-3059P-1-103	652-3059Y-1-103
20K	652-3059P-1-203	652-3059Y-1-203
50K	652-3059P-1-503	652-3059Y-1-503
100K	652-3059P-1-104	652-3059Y-1-104
200K	652-3059P-1-204	652-3059Y-1-204
500K	652-3059P-1-504	652-3059Y-1-504
1M	652-3059P-1-103	652-3059Y-1-103

Bourns Single and Multi-Turn Trimmer Potentiometers



3339 SERIES 5/16" ROUND 4 TURN/ INDUSTRIAL/ SEALED



For quantities of 2,000 or more, call for quote.

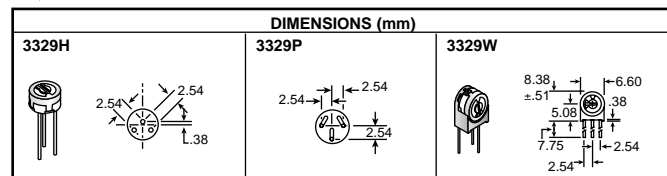
Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.25W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

Series No.	Price Each					
	1	10	50	100	500	1000
3339H, 3339P	4.44	3.88	3.37	3.19	2.75	2.65
3339W	6.38	5.56	4.84	4.59	4.20	3.80

Value (Ω)	3339H Series	3339P Series	3339W Series
	MOUSER STOCK NO.		
50	652-3339H-1-500	652-3339P-1-500	652-3339W-1-500
100	652-3339H-1-101	652-3339P-1-101	652-3339W-1-101
200	652-3339H-1-201	652-3339P-1-201	652-3339W-1-201
500	652-3339H-1-501	652-3339P-1-501	652-3339W-1-501
1K	652-3339H-1-102	652-3339P-1-102	652-3339W-1-102
2K	652-3339H-1-202	652-3339P-1-202	652-3339W-1-202
5K	652-3339H-1-502	652-3339P-1-502	652-3339W-1-502
10K	652-3339H-1-103	652-3339P-1-103	652-3339W-1-103
20K	652-3339H-1-203	652-3339P-1-203	652-3339W-1-203
50K	652-3339H-1-503	652-3339P-1-503	652-3339W-1-503
100K	652-3339H-1-104	652-3339P-1-104	652-3339W-1-104
200K	652-3339H-1-204	652-3339P-1-204	652-3339W-1-204
500K	652-3339H-1-504	652-3339P-1-504	652-3339W-1-504
1M	652-3339H-1-105	652-3339P-1-105	652-3339W-1-105

3329 SERIES 1/4" ROUND/ INDUSTRIAL/ SEALED



For quantities of 2,000 or more, call for quote.

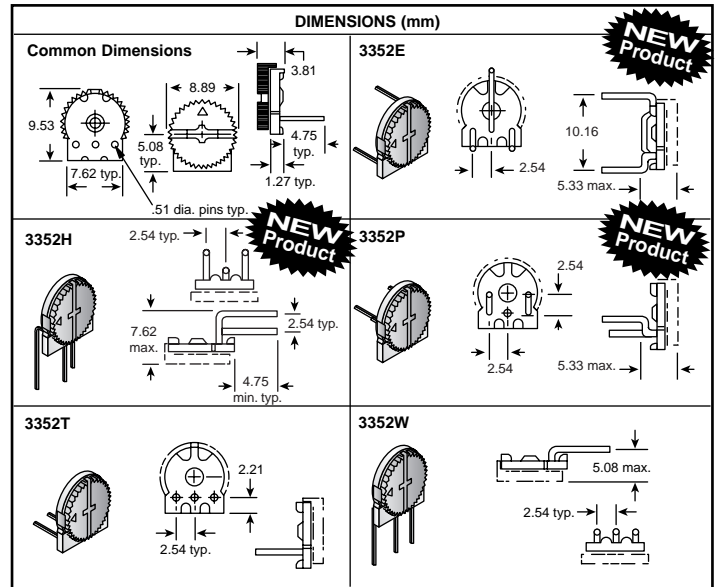
Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.50W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

Series No.	Price Each					
	1	10	50	100	500	1000
3329H, 3329P	2.24	1.91	1.67	1.57	1.40	1.30
3329W	2.62	2.00	1.89	1.82	1.70	1.60

Value (Ω)	3329H Series	3329P Series	3329W Series
	MOUSER STOCK NO.		
50	652-3329H-1-500	652-3329P-1-500	652-3329W-1-500
100	652-3329H-1-101	652-3329P-1-101	652-3329W-1-101
200	652-3329H-1-201	652-3329P-1-201	652-3329W-1-201
500	652-3329H-1-501	652-3329P-1-501	652-3329W-1-501
1K	652-3329H-1-102	652-3329P-1-102	652-3329W-1-102
2K	652-3329H-1-202	652-3329P-1-202	652-3329W-1-202
5K	652-3329H-1-502	652-3329P-1-502	652-3329W-1-502
10K	652-3329H-1-103	652-3329P-1-103	652-3329W-1-103
20K	652-3329H-1-203	652-3329P-1-203	652-3329W-1-203
25K	652-3329H-1-253	652-3329P-1-253	652-3329W-1-253
50K	652-3329H-1-503	652-3329P-1-503	652-3329W-1-503
100K	652-3329H-1-104	652-3329P-1-104	652-3329W-1-104
200K	652-3329H-1-204	652-3329P-1-204	652-3329W-1-204
500K	652-3329H-1-504	652-3329P-1-504	652-3329W-1-504
1M	652-3329H-1-105	652-3329P-1-105	652-3329W-1-105

3352 SERIES 3/8" ROUND/ CERMET/OPEN FRAME/TRIMMER



Specifications:

- Resistance tolerance: ±20% std.
- Power rating: 85°C - 0.25W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C 2K and up; ±150ppm/°C below 2K

Features:

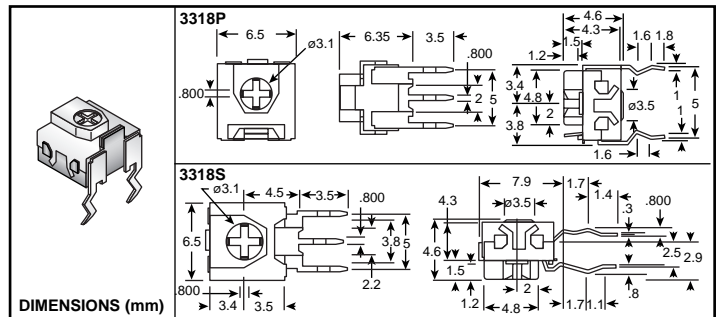
- Stable cermet element offers infinite resolution
- Very low profile
- Thumb and screwdriver adjustment

For quantities of 2,000 or more, call for quote.

Value (Ω)	Price Each					
	1	10	50	100	500	1000
3352E, H, P, T, W	1.02	.95	.86	.70	.61	.55

Value (Ω)	3352E Series	3352H Series	3352P Series	3352T Series	3352W Series
	MOUSER STOCK NO.				
50	652-3352E-1-500	652-3352H-1-500	652-3352P-1-500	652-3352T-1-500	652-3352W-1-500
100	652-3352E-1-101	652-3352H-1-101	652-3352P-1-101	652-3352T-1-101	652-3352W-1-101
200	652-3352E-1-201	652-3352H-1-201	652-3352P-1-201	652-3352T-1-201	652-3352W-1-201
500	652-3352E-1-501	652-3352H-1-501	652-3352P-1-501	652-3352T-1-501	652-3352W-1-501
1K	652-3352E-1-102	652-3352H-1-102	652-3352P-1-102	652-3352T-1-102	652-3352W-1-102
2K	652-3352E-1-202	652-3352H-1-202	652-3352P-1-202	652-3352T-1-202	652-3352W-1-202
5K	652-3352E-1-502	652-3352H-1-502	652-3352P-1-502	652-3352T-1-502	652-3352W-1-502
10K	652-3352E-1-103	652-3352H-1-103	652-3352P-1-103	652-3352T-1-103	652-3352W-1-103
20K	652-3352E-1-203	652-3352H-1-203	652-3352P-1-203	652-3352T-1-203	652-3352W-1-203
50K	652-3352E-1-503	652-3352H-1-503	652-3352P-1-503	652-3352T-1-503	652-3352W-1-503
100K	652-3352E-1-104	652-3352H-1-104	652-3352P-1-104	652-3352T-1-104	652-3352W-1-104
200K	652-3352E-1-204	652-3352H-1-204	652-3352P-1-204	652-3352T-1-204	652-3352W-1-204
500K	652-3352E-1-504	652-3352H-1-504	652-3352P-1-504	652-3352T-1-504	652-3352W-1-504
1M	652-3352E-1-105	652-3352H-1-105	652-3352P-1-105	652-3352T-1-105	652-3352W-1-105
2M	652-3352E-1-205	652-3352H-1-205	652-3352P-1-205	652-3352T-1-205	652-3352W-1-205

3318 SERIES 6mm TRIMMER POTENTIOMETERS



Features:

- Single-turn/carbon/commercial open frame
- Cross slot rotor design suitable for automatic adjustment equipment
- Adjustable front / back, top/bottom

Specifications:

- Resistance tolerance: ±20%
- Power rating: 1.0W
- Temperature coefficient: ±1,000 ppm/°C

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3318P, 3318S	.26	.20	.16	.13	.12	.11

Value (Ω)	3318P Series	3318S Series
	MOUSER STOCK NO.	
100	652-3318P-1-101	652-3318S-1-101
200	652-3318P-1-201	652-3318S-1-201
500	652-3318P-1-501	652-3318S-1-501
1K	652-3318P-1-102	652-3318S-1-102
2K	652-3318P-1-202	652-3318S-1-202
5K	652-3318P-1-502	652-3318S-1-502
10K	652-3318P-1-103	652-3318S-1-103
20K	652-3318P-1-203	652-3318S-1-203
50K	652-3318P-1-503	652-3318S-1-503

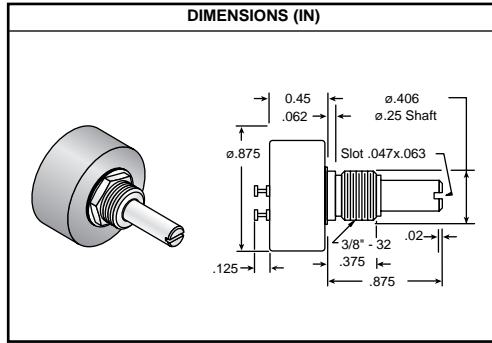
Potentiometers

Bourns

6639 SERIES/CONDUCTIVE PLASTIC/PRECISION

- Essentially infinite resolution
- Excellent rotational life

- Specifications:**
- Resistance tolerance: $\pm 15\%$
 - Power rating: 1.0W
 - Mechanical angle: continuous

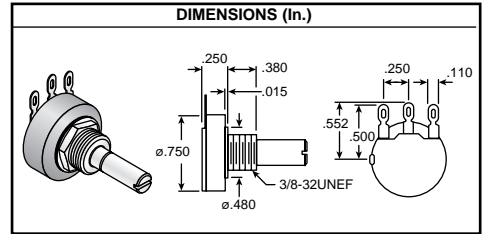


MOUSER STOCK NO.		Value (Ω)	Price Each					
Mfr.	Mfr. Part No.		1	10	25	50	100	250+
652	6639S-1-102	1K	11.65	11.10	10.65	9.90	7.71	
652	6639S-1-202	2K	11.65	11.10	10.65	9.90	7.71	Call for quote
652	6639S-1-502	5K	11.65	11.10	10.65	9.90	7.71	
652	6639S-1-103	10K	11.65	11.10	10.65	9.90	7.71	
652	6639S-1-203	20K	11.65	11.10	10.65	9.90	7.71	

3852 SERIES 3/4" PANEL CONTROL

- Specifications:**
- Tolerance: $\pm 10\%$
 - Power rating: 2 Watts @ $+70^\circ\text{C}$
 - Operating temperature: -1°C - $+125^\circ\text{C}$
 - Rotational life: 50,000 cycles

- Features:**
- Single-turn
 - Linear taper
 - Cermet element

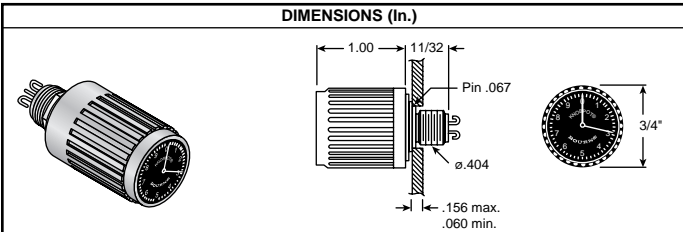


DIMENSIONS (IN.) For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Values (Ω)	Shaft dia. (In)	Shaft length (In)	Price Each				
Mfr.	Mfr. Part No.				1	10	25	50	100
652	3852A-162-102A	1K	1/8	1/2	9.16	8.00	7.12	6.00	5.83
652	3852A-162-502A	5K	1/8	1/2	9.16	8.00	7.12	6.00	5.83
652	3852A-162-103A	10K	1/8	1/2	9.16	8.00	7.12	6.00	5.83
652	3852A-162-503A	50K	1/8	1/2	9.16	8.00	7.12	6.00	5.83
652	3852A-162-104A	100K	1/8	1/2	9.16	8.00	7.12	6.00	5.83
652	3852A-282-102A	1K	1/4	7/8	9.16	8.00	7.12	6.00	5.83
652	3852A-282-502A	5K	1/4	7/8	9.16	8.00	7.12	6.00	5.83
652	3852A-282-103A	10K	1/4	7/8	9.16	8.00	7.12	6.00	5.83
652	3852A-282-503A	50K	1/4	7/8	9.16	8.00	7.12	6.00	5.83
652	3852A-282-104A	100K	1/4	7/8	9.16	8.00	7.12	6.00	5.83

3600 SERIES 10 TURN PRECISION POTENTIOMETER

- Specifications:**
- Tolerance: $\pm 5\%$
 - Power rating: 1.5 Watts
 - Rotational life: 200,000 revolutions

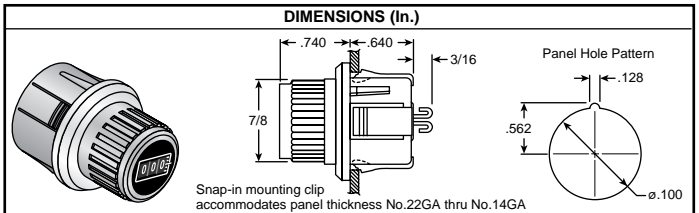


For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Values (Ω)	Resolution (%)	Price Each				
Mfr.	Mfr. Part No.			1	5	10	25	50
652	3600S-1-102	1K	0.035	69.90	66.41	62.91	55.92	45.28
652	3600S-1-502	5K	0.027	69.90	66.41	62.91	55.92	45.28
652	3600S-1-103	10K	0.022	69.90	66.41	62.91	55.92	45.28

3610 SERIES 10 TURN PRECISION POTENTIOMETER

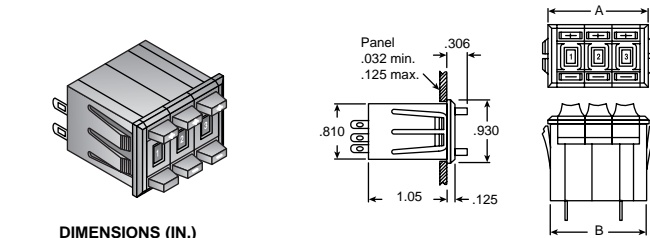
- Specifications:**
- Tolerance: $\pm 5\%$
 - Power rating: 1.5 Watts
 - Rotational life: 50,000 revolutions



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Values (Ω)	Resolution (%)	Price Each				
Mfr.	Mfr. Part No.			1	5	10	25	50
652	3610S-1-102	1K	0.035	60.92	57.87	54.83	48.74	39.45
652	3610S-1-502	5K	0.027	60.92	57.87	54.83	48.74	39.45
652	3610S-1-103	10K	0.022	60.92	57.87	54.83	48.74	39.45

3680 SERIES DIGITAL PUSHBUTTON PRECISION POTENTIOMETERS



- Specifications:**
- Tolerance: $\pm 3\%$
 - Power rating: 2 Watts
 - Expected life: 75,000 button operations each decade

For quantities of 100 and up, call for quote.

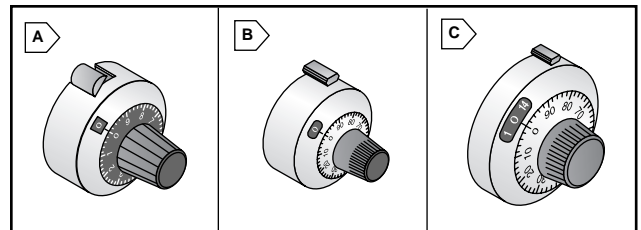
MOUSER STOCK NO.		Values (Ω)	Dimensions (In.)		Price Each				
Mfr.	Mfr. Part No.		A	B	1	5	10	25	50
2 Decade Pushbutton									
652	3682S-1-102	1K	1.05	0.99	27.34	25.97	24.61	21.88	17.71
652	3682S-1-502	5K	1.05	0.99	27.34	25.97	24.61	21.88	17.71
652	3682S-1-103	10K	1.05	0.99	27.34	25.97	24.61	21.88	17.71
3 Decade Pushbutton									
652	3683S-1-102	1K	1.46	1.39	40.46	38.44	36.42	32.37	26.60
652	3683S-1-502	5K	1.46	1.39	40.46	38.44	36.42	32.37	26.60
652	3683S-1-103	10K	1.46	1.39	40.46	38.44	36.42	32.37	26.60
652	3683S-1-104	100K	1.46	1.39	40.46	38.44	36.42	32.37	26.60

URNS-COUNTING DIALS

- Specifications:**
- Tolerance: $\pm 3\%$
 - Power rating: 2 Watts
 - Expected life: 75,000 button operations each decade

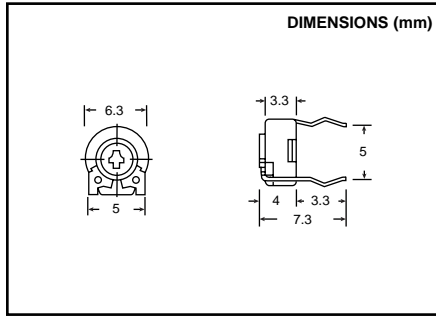
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	No. of Turns	Body dia. (In.)	Body Finish	Fits shaft dia. (In.)	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
652	H-492-3	A	0 to 30	1.0	Clear	0.25	20.13	18.64	16.78	15.73	13.06
652	H-494-3	A	0 to 30	1.0	Black	0.25	20.13	18.64	16.78	15.73	13.06
652	H-22-6A	B	0 to 15	.874	Chrome	0.25	9.10	8.52	8.17	7.80	6.65
652	H-46-6A	C	0 to 20	1.811	Chrome	0.25	20.12	17.51	15.92	14.50	13.14



PIHER 6mm CARBON TRIMMER

Also available in vertical mount, horizontal adjust.



Features:

- Carbon resistive element
- Dust proof enclosure
- Polyester substrate
- Also upon request:
 - Wiper positioned at 50% or fully clockwise
 - Supplied in magazines for automatic insertion
 - Long life model PT-6...E (10,000 cycles)
 - Without crimping model. PT-6...SC
 - Housing available in self extinguishable plastic (VL94V0)

Specifications:

- Power rating: 0.1W
- Linear taper
- Temperature range: -25°C to +70°C
- Mechanical rotation: 235°±10°
- Electrical rotation: 200°±20°
- Tolerance: ±20%

For quantities of 5,000 and up, call for quote.

Price Each			
1	100	500	1000
.27	.22	.21	.20

MOUSER STOCK NO.	PIHER Part No.
Horizontal Mount/Vertical Adjust	
531 - PT6KV-500	PT6KV-501A2020
531 - PT6KV-1K	PT6KV-102A2020
531 - PT6KV-2K	PT6KV-202A2020
531 - PT6KV-2.5K	PT6KV-252A2020
531 - PT6KV-5K	PT6KV-502A2020
531 - PT6KV-10K	PT6KV-103A2020
531 - PT6KV-20K	PT6KV-203A2020
531 - PT6KV-25K	PT6KV-253A2020
531 - PT6KV-47K	PT6KV-473A2020
531 - PT6KV-50K	PT6KV-503A2020
531 - PT6KV-100K	PT6KV-104A2020
531 - PT6KV-500K	PT6KV-504A2020
531 - PT6KV-1M	PT6KV-105A2020

PIHER 6mm CARBON POTENTIOMETER

Specifications:

- Mechanical Rotation Angle: 280° ± 10°
- Torque: 0.2 to 3 Ncm. (0.28 to 4.2 in-oz)
- Tolerance: 100Ω ≤ Rn ≤ 1MΩ ±30
- Nominal Power: 50°C (122°F): 0.1W
- Operating Temperature: -25°C to +70°C (-13°F to +158°F)
- Electrical Rotation Angle: 245° ± 25°
- Stop Torque: >7.5 Ncm. (10.5 in-oz)
- Max. Voltage: 100 VDC
- Taper: linear
- Equivalent noise resistance: ≤ 5%
- End Resistance: ≤ 2% Rn (10Ω min.)

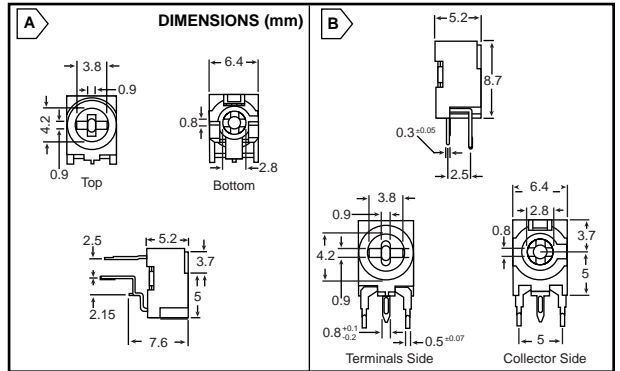
Features:

- Carbon resistive element
- Polyester substrate
- Over-moulding manufacturing technique
- SMD or through hole
- Embossed tape (for SMD), Tape on reel, Ampmpack and Magazine packaging for automatic insertion and bulk for manual assembly
- Wiper positioned at 50%
- Both sides cross slot easy adjustment
- Accidental rotor movement protected
- Traceability insured through date code marking
- Assembly method: Stand up, Lay down

For quantities of 5,000 and up, call for quote.

Price Each			
1	100	500	1000
.24	.20	.18	.16

MOUSER STOCK NO.	PIHER Part No.	Mounting Method	Terminal Style	Fig.
531-N6-L50TC-1K	N6-L50TC-102	laydown	5.0mm	A
531-N6-L50TC-10K	N6-L50TC-103	laydown	5.0mm	A
531-N6-L50TC-100K	N6-L50TC-104	laydown	5.0mm	A
531-N6-L50TC-1M	N6-L50TC-105	laydown	5.0mm	A
531-N6-S25TC-1K	N6-S25TC-102	standup	2.5mm	B
531-N6-S25TC-10K	N6-S25TC-103	standup	2.5mm	B
531-N6-S25TC-100K	N6-S25TC-104	standup	2.5mm	B
531-N6-S25TC-1M	N6-S25TC-105	standup	2.5mm	B



PIHER 10mm CARBON TRIMMERS

Specifications:

- Power rating: 0.15W
- Temperature range: -25°C to +70°C
- Linear taper
- Mechanical rotation: 235°±10°
- Electrical rotation: 220°±20°
- Tolerance: 100Ω-1mΩ ±20%; 2mΩ-5mΩ ±30%

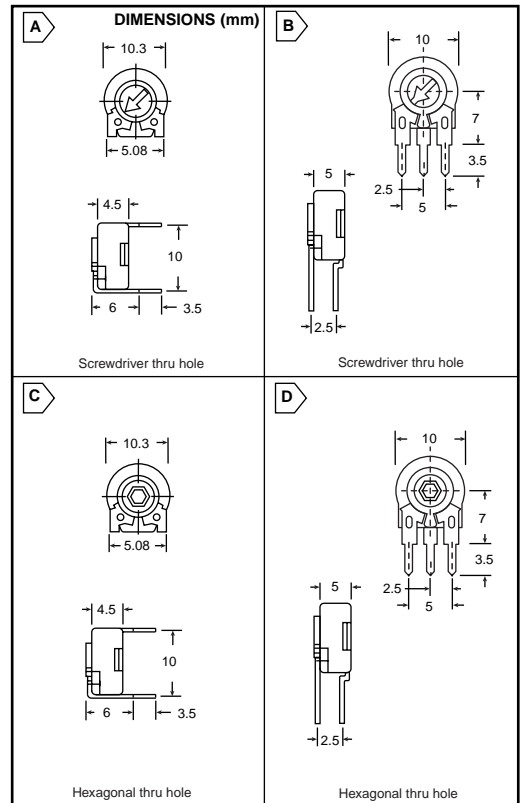
Features:

- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

MOUSER STOCK NO.	PIHER Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531 - PT10V-100	PT10LV10-101A2020	A
531 - PT10V-200	PT10LV10-201A2020	A
531 - PT10V-250	PT10LV10-251A2020	A
531 - PT10V-500	PT10LV10-501A2020	A
531 - PT10V-1K	PT10LV10-102A2020	A
531 - PT10V-2K	PT10LV10-202A2020	A
531 - PT10V-2.5K	PT10LV10-252A2020	A
531 - PT10V-5K	PT10LV10-502A2020	A
531 - PT10V-10K	PT10LV10-103A2020	A
531 - PT10V-20K	PT10LV10-203A2020	A
531 - PT10V-22K	PT10LV10-223A2020	A
531 - PT10V-25K	PT10LV10-253A2020	A
531 - PT10V-50K	PT10LV10-503A2020	A
531 - PT10V-100K	PT10LV10-104A2020	A
531 - PT10V-200K	PT10LV10-204A2020	A
531 - PT10V-220K	PT10LV10-224A2020	A
531 - PT10V-250K	PT10LV10-254A2020	A
531 - PT10V-500K	PT10LV10-504A2020	A
531 - PT10V-1M	PT10LV10-105A2020	A
531 - PT10V-2M	PT10LV10-205A3030	A
531 - PT10V-2.5K	PT10LV10-252A3030	A
531 - PT10V-5M	PT10LV10-505A3030	A
Vertical Mount/Horizontal Adjust		
531 - PT10H-100	PT10LH01-101A2020	B
531 - PT10H-200	PT10LH01-201A2020	B
531 - PT10H-250	PT10LH01-251A2020	B
531 - PT10H-500	PT10LH01-501A2020	B
531 - PT10H-1K	PT10LH01-102A2020	B
531 - PT10H-2K	PT10LH01-202A2020	B
531 - PT10H-2.5K	PT10LH01-252A2020	B
531 - PT10H-5K	PT10LH01-502A2020	B
531 - PT10H-10K	PT10LH01-103A2020	B
531 - PT10H-20K	PT10LH01-203A2020	B
531 - PT10H-22K	PT10LH01-223A2020	B
531 - PT10H-25K	PT10LH01-253A2020	B
531 - PT10H-50K	PT10LH01-503A2020	B
531 - PT10H-100K	PT10LH01-104A2020	B
531 - PT10H-200K	PT10LH01-204A2020	B
531 - PT10H-220K	PT10LH01-224A2020	B
531 - PT10H-250K	PT10LH01-254A2020	B
531 - PT10H-500K	PT10LH01-504A2020	B
531 - PT10H-1M	PT10LH01-105A2020	B
531 - PT10H-2M	PT10LH01-205A3030	B
531 - PT10H-2.5M	PT10LH01-255A3030	B
531 - PT10H-5M	PT10LH01-505A3030	B

MOUSER STOCK NO.	PIHER Part No.	Fig.
Horizontal Mount/ Vertical Adjust		
531 - PT10MV-100	PT10MV10-101A2020	C
531 - PT10MV-200	PT10MV10-201A2020	C
531 - PT10MV-250	PT10MV10-251A2020	C
531 - PT10MV-500	PT10MV10-501A2020	C
531 - PT10MV-1K	PT10MV10-102A2020	C
531 - PT10MV-2K	PT10MV10-202A2020	C
531 - PT10MV-2.5K	PT10MV10-252A2020	C
531 - PT10MV-5K	PT10MV10-502A2020	C
531 - PT10MV-10K	PT10MV10-103A2020	C
531 - PT10MV-20K	PT10MV10-203A2020	C
531 - PT10MV-22K	PT10MV10-223A2020	C
531 - PT10MV-25K	PT10MV10-253A2020	C
531 - PT10MV-50K	PT10MV10-503A2020	C
531 - PT10MV-100K	PT10MV10-104A2020	C
531 - PT10MV-200K	PT10MV10-204A2020	C
531 - PT10MV-220K	PT10MV10-224A2020	C
531 - PT10MV-250K	PT10MV10-254A2020	C
531 - PT10MV-500K	PT10MV10-504A2020	C
531 - PT10MV-1M	PT10MV10-105A2020	C
531 - PT10MV-2M	PT10MV10-205A3030	C
531 - PT10MV-2.5M	PT10MV10-255A3030	C
531 - PT10MV-5M	PT10MV10-505A3030	C
Vertical Mount/Horizontal Adjust		
531 - PT10MH-100	PT10MH01-101A2020	D
531 - PT10MH-200	PT10MH01-201A2020	D
531 - PT10MH-250	PT10MH01-251A2020	D
531 - PT10MH-500	PT10MH01-501A2020	D
531 - PT10MH-1K	PT10MH01-102A2020	D
531 - PT10MH-2K	PT10MH01-202A2020	D
531 - PT10MH-2.5K	PT10MH01-252A2020	D
531 - PT10MH-5K	PT10MH01-502A2020	D
531 - PT10MH-10K	PT10MH01-103A2020	D
531 - PT10MH-20K	PT10MH01-203A2020	D
531 - PT10MH-22K	PT10MH01-223A2020	D
531 - PT10MH-25K	PT10MH01-253A2020	D
531 - PT10MH-50K	PT10MH01-503A2020	D
531 - PT10MH-100K	PT10MH01-104A2020	D
531 - PT10MH-200K	PT10MH01-204A2020	D
531 - PT10MH-220K	PT10MH01-224A2020	D
531 - PT10MH-250K	PT10MH01-254A2020	D
531 - PT10MH-500K	PT10MH01-504A2020	D
531 - PT10MH-1M	PT10MH01-105A2020	D
531 - PT10MH-2M	PT10MH01-205A3030	D
531 - PT10MH-2.5M	PT10MH01-255A3030	D
531 - PT10MH-5M	PT10MH01-505A3030	D

Price Each					
1	100	500	1000	2000	4000
.40	.37	.32	.30	.28	Call for Quote



PIHER 10mm CERMET TRIMMERS

Specifications:

- Power rating: 0.33W
- Temperature range: -40°C to +90°C
- Mechanical rotation: 235°±5°
- Electrical rotation: 220°±20°
- Linear taper
- Tolerance: ±20%

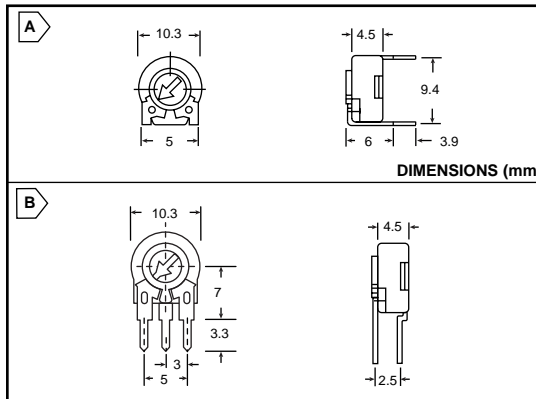
Features:

- Cermet resistive element
- Dust proof enclosure
- Plastic material according to UL94V-0
- Alumina substrate

Price Each					
1	100	500	1000	2000	4000
.45	.43	.41	.38	.37	Call

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PTC10V-100	PTC10LV10-101A2020	A
531-PTC10V-200	PTC10LV10-201A2020	A
531-PTC10V-500	PTC10LV10-501A2020	A
531-PTC10V-1K	PTC10LV10-102A2020	A
531-PTC10V-2K	PTC10LV10-202A2020	A
531-PTC10V-2.5K	PTC10LV10-252A2020	A
531-PTC10V-5K	PTC10LV10-502A2020	A
531-PTC10V-10K	PTC10LV10-103A2020	A
531-PTC10V-20K	PTC10LV10-203A2020	A
531-PTC10V-25K	PTC10LV10-253A2020	A
531-PTC10V-50K	PTC10LV10-503A2020	A
531-PTC10V-100K	PTC10LV10-104A2020	A
531-PTC10V-200K	PTC10LV10-204A2020	A
531-PTC10V-250K	PTC10LV10-254A2020	A
531-PTC10V-500K	PTC10LV10-504A2020	A

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PTC10H-100	PTC10LH01-101A2020	B
531-PTC10H-200	PTC10LH01-201A2020	B
531-PTC10H-500	PTC10LH01-501A2020	B
531-PTC10H-1K	PTC10LH01-102A2020	B
531-PTC10H-2K	PTC10LH01-202A2020	B
531-PTC10H-2.5K	PTC10LH01-252A2020	B
531-PTC10H-5K	PTC10LH01-502A2020	B
531-PTC10H-10K	PTC10LH01-103A2020	B
531-PTC10H-20K	PTC10LH01-203A2020	B
531-PTC10H-25K	PTC10LH01-253A2020	B
531-PTC10H-50K	PTC10LH01-503A2020	B
531-PTC10H-100K	PTC10LH01-104A2020	B
531-PTC10H-200K	PTC10LH01-204A2020	B
531-PTC10H-250K	PTC10LH01-254A2020	B
531-PTC10H-500K	PTC10LH01-504A2020	B



Potentiometers

PIHER 15mm CARBON TRIMMERS

Specifications:

- Power Rating: 0.25W
- Temperature Range: -25°C to +70°C (-13°F + 158°F)
- Mechanical Rotation: 265° to ±5°
- Electrical Rotation: 250° ±20°
- Taper: Linear
- Tolerance: 100Ω-1mΩ ±20%
2mΩ-5mΩ ±30%
- Max. Voltage: 250 VDC (lin) 125 VDC (no lin)
- Nominal Power: 50°C (122°F), 0.25W (lin) 0.12W (no lin)
- Residual Resistance: ≤3% Rn (3Ω min.)

Features:

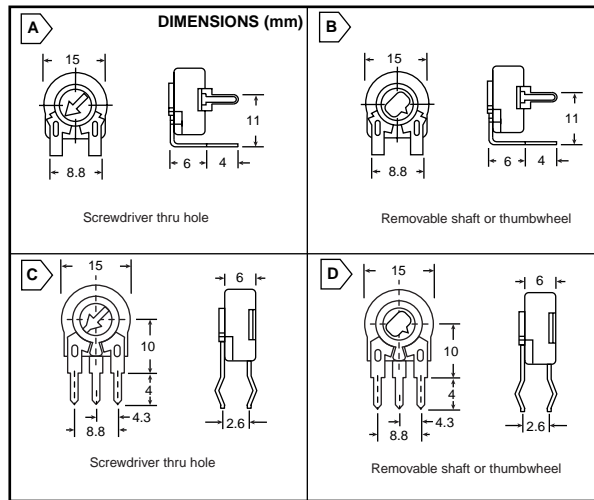
- Carbon Resistive element
- Dust proof enclosure
- Polyester substrate



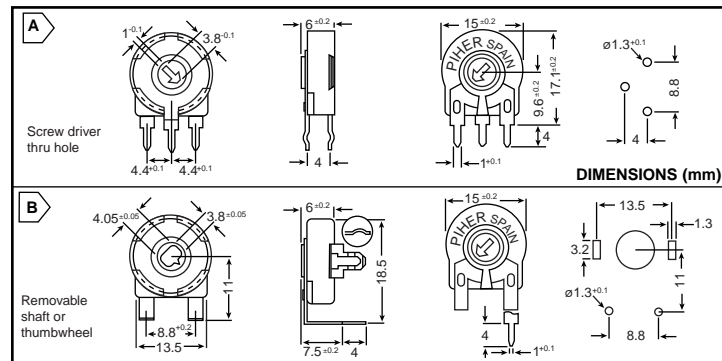
Price Each					
1	100	500	1000	2000	4000
.39	.35	.32	.30	.28	Call

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/ Vertical Adjust		
531 - PT15D-100	PT15LV18-101A2020	A
531 - PT15D-200	PT15LV18-201A2020	A
531 - PT15D-250	PT15LV18-251A2020	A
531 - PT15D-500	PT15LV18-501A2020	A
531 - PT15D-1K	PT15LV18-102A2020	A
531 - PT15D-2K	PT15LV18-202A2020	A
531 - PT15D-2.5K	PT15LV18-252A2020	A
531 - PT15D-5K	PT15LV18-502A2020	A
531 - PT15D-10K	PT15LV18-103A2020	A
531 - PT15D-20K	PT15LV18-203A2020	A
531 - PT15D-25K	PT15LV18-253A2020	A
531 - PT15D-50K	PT15LV18-503A2020	A
531 - PT15D-100K	PT15LV18-104A2020	A
531 - PT15D-200K	PT15LV18-204A2020	A
531 - PT15D-250K	PT15LV18-254A2020	A
531 - PT15D-500K	PT15LV18-504A2020	A
531 - PT15D-1M	PT15LV18-105A2020	A
531 - PT15D-2M	PT15LV18-205A3030	A
531 - PT15D-2.5M	PT15LV18-255A3030	A
531 - PT15D-5M	PT15LV18-505A3030	A
531 - PT15NH-10K	PT15NH06-103A2020	B

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531 - PT15B-100	PT15LH06-101A2020	C
531 - PT15B-200	PT15LH06-201A2020	C
531 - PT15B-250	PT15LH06-251A2020	C
531 - PT15B-500	PT15LH06-501A2020	C
531 - PT15B-1K	PT15LH06-102A2020	C
531 - PT15B-2K	PT15LH06-202A2020	C
531 - PT15B-2.5K	PT15LH06-252A2020	C
531 - PT15B-5K	PT15LH06-502A2020	C
531 - PT15B-10K	PT15LH06-103A2020	C
531 - PT15B-20K	PT15LH06-203A2020	C
531 - PT15B-25K	PT15LH06-253A2020	C
531 - PT15B-50K	PT15LH06-503A2020	C
531 - PT15B-100K	PT15LH06-104A2020	C
531 - PT15B-200K	PT15LH06-204A2020	C
531 - PT15B-250K	PT15LH06-254A2020	C
531 - PT15B-500K	PT15LH06-504A2020	C
531 - PT15B-1M	PT15LH06-105A2020	C
531 - PT15B-2M	PT15LH06-205A3030	C
531 - PT15B-2.5M	PT15LH06-255A3030	C
531 - PT15B-5M	PT15LH06-505A3030	C
531 - PT15NV-10K	PT15NV18-103A2020	D
531 - PT15NV-25K	PT15NV18-253A2020	D
531 - PT15NV-100K	PT15NV18-104A2020	D



PIHER 15mm CERMET TRIMMERS



Specifications:

- Mechanical Rotation Angle: 265° ± 5°
- Electrical Rotation Angle: 250° ± 20°
- Torque: 0.5 to 2.5 Ncm. (0.7 to 3.4 in-oz)
- Stop Torque: > 10 Ncm. (>14 in-oz)
- Tolerance: 100Ω < Rn < 1M Ω ±20
- Max. Voltage: 250 VDC (lin) 125 VDC (no lin)
- Nominal Power: 70°C (158°F)
0.50W (lin) 0.25W (no lin)
- Taper: Linear
- Residual Resistance: ≤5.10 Rn (2Ω min.)
- Equivalent Noise Resistance: ≤ 3% Rn (3 Ω min.)
- Operating Temperature: -40°C + 90°C (-40°F + 194°F)

Features:

- Cermet Resistive Element
- Dust Proof Enclosure
- Plastic Material According to UL94V-0
- Alumina Substrate
- Also Available Upon Request:
 - Wiper positioned at 50% or fully clockwise
 - Long life model for low cost control pot. applications
 - Supplied in magazines for automatic insertion
 - Low Torque option
 - Available as SPDT switch
 - Special tapers
 - Mechanical detents

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each				
			1	25	50	100	200
531 - PTC15LH06-250	PTC15LH06-251A2020	A	.73	.66	.64	.58	.55
531 - PTC15NV18-1K	PTC15NV18-102A2020	B	.73	.66	.64	.58	.55

PIHER PC16 SERIES POTENTIOMETERS

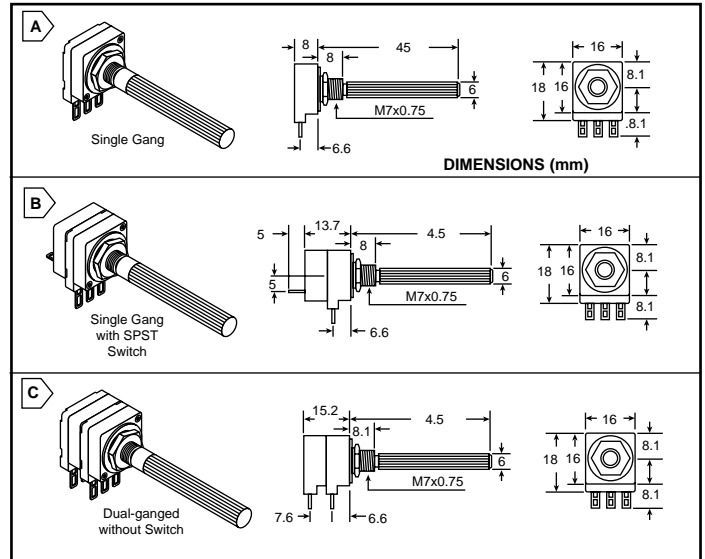
A completely insulated potentiometer. Made of autoextinguishable plastic UL94V-0. This modular design, which allows up to four potentiometers and a switch on a common shaft, is available in custom configurations by special order. Call any Mouser service representative for details.

Specifications:

- Tolerance: $\pm 20\%$
- Nominal power (40°C): 0.25W
- Nominal voltage: 500V
- Temperature range: -25°C to $+70^{\circ}\text{C}$
- Linear taper
- Mechanical angle of rotation: $300^{\circ} \pm 5^{\circ}$
- Electrical angle of rotation: $280^{\circ} \pm 20^{\circ}$
- Switch contact rating: 1A @ 250V
- Solder lug terminals

For quantities of 200 and up, call for quote.

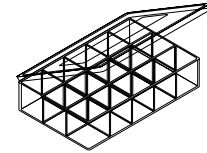
MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each			
			1	25	50	100
531-PC16SC-1K	PC16SH07CP06102A2020	A	2.35	1.95	1.77	1.59
531-PC16SC-10K	PC16SH07CP06103A2020	A	2.35	1.95	1.77	1.59
531-PC16SC-100K	PC16SH07CP06104A2020	A	2.35	1.95	1.77	1.59
531-PC16SC1A-10K	PC16SH07CP06103A2020C	B	2.99	2.49	2.27	2.06
531-PC16SC1A-100K	PC16SH07CP06104A2020C	B	2.99	2.49	2.27	2.06
531-PC16SC1A-500K	PC16SH07CP06504A2020C	B	2.99	2.49	2.27	2.06
531-PC16DC-1K	PC16DH07CP06102A2020	C	2.86	2.38	2.17	1.97
531-PC16DC-10K	PC16DH07CP06103A2020	C	2.86	2.38	2.17	1.97
531-PC16DC-100K	PC16DH07CP06104A2020	C	2.86	2.38	2.17	1.97
531-PC16DC-500K	PC16DH07CP06504A2020	C	2.86	2.38	2.17	1.97



Potentiometers

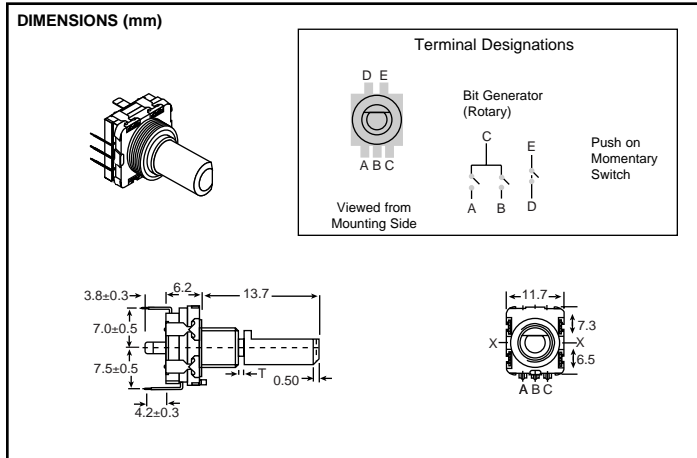
PIHER 10mm CARBON TRIMMER POTENTIOMETER KIT

MOUSER STOCK NO.	Pcs. in Each Kit	Value (Ω)	Price Each
370-PT10	180	10 each: 500, 1K, 5K, 10K, 25K, 50K, 100K, 250K, and 500K in both horizontal and vertical mount	69.95



Piher

PIHER 11mm INCREMENTAL ENCODERS



Typical Application:

- All kind of applications which require a single or multi-function rotary control interfaced with a digital electronic circuit.
- Consumer: Home appliances- washing machine/microwave oven timer & temperature programming controls, Hi-Fi, CD, Mini Disc and MP3 players, volume, tone, and title search controls.

Features:

- 2 bit in quadrature code
- Contact type
- Push-on switch (optional)
- Available with or without detents
- Compact design
- Threaded or plain bush options
- Available in vertical mount
- Endless rotation
- 15 or 20 pulses per rev.

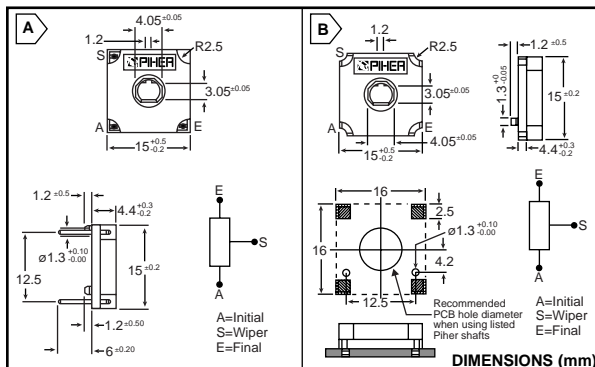
Specifications:

- Operating Temperature: -40°C to $+85^{\circ}\text{C}$
- Life (endless rotation): 20,000 cycles
- Rotational Torque: 0.3 to 2 Ncm
- Push On Switch: 0.5 mm. travel
- Available in vertical mount
- Contact Resistance: 100 m Ω Initial (Max)
- Pulses / Detents: 15/00, 15/30, 20/00, 0/20

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Piher Part No.	Detent	Switch	Price Each			
				1	25	50	100
531-C111CTV	C111-CT-V1Y22-LFACF	with	with	4.00	3.50	3.25	2.75
531-C111COV	C111-C0-V1Y22-HF4CF	with	without	3.56	3.12	2.89	2.45

PIHER 15mm CARBON POSITION SENSOR/ POTENIOMETER



Specifications:

- Resistance Values: 5k, 10k, 100k
- Tolerance: $\pm 30\%$
- Nominal Power: 0.15W @ 50°C
- Linearity (absolute): $\pm 3\%$
- Taper: Linear
- Mechanical Life: 100,000 cycles
- Temperature Range: -40°C to $+120^{\circ}\text{C}$
- Mechanical Angle: 360°
- Electrical Angle $340^{\circ} \pm 10^{\circ}$
- Rotational Torque: ≤ 20 mN.m
- Max. Voltage: 250 VDC

Features:

- Conceived and designed for customisation
- SMD or Through-hole Mount
- Endless Rotation (360°)
- Low Profile (4.4mm)
- Embossed tape or Bulk Packaging
- Reflow Soldering Capability
- Shaft insertable from both sides
- Polarised "T" rotor (European Home Appliance Standard)

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each				
			1	100	500	1000	2000
Through Hole							
531 - N15TV-5K	NT15TV-502A3030	A	2.88	2.40	2.16	1.92	Call for Quote
531 - N15TV-10K	NT15TV-103A3030	A	2.88	2.40	2.16	1.92	
531 - N15TV-100K	NT15TV-104A3030	A	2.88	2.40	2.16	1.92	
Surface Mount							
531 - N15TS-5K	NT15TS-502A3030	B	2.55	2.13	1.91	1.70	Call for Quote
531 - N15TS-10K	NT15TS-103A3030	B	2.55	2.13	1.91	1.70	
531 - N15TS-100K	NT15TS-104A3030	B	2.55	2.13	1.91	1.70	



Vishay Single-Turn Potentiometers

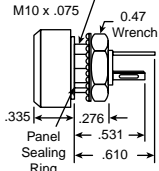
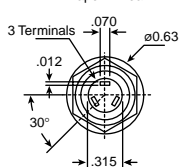
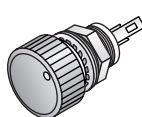


CERMET POTENTIOMETER KNOBS, MODEL P16

Specifications:

- Electrical travel: 270° ± 10°
- Dielectric strength: 2500RMS
- Limiting element voltage: 350V linear law
- Mechanical travel: 300° ± 5°

- Rotational life: 25,000 cycles
- Tolerance: ±10%
- Power rating: 1W @ +40°C
- Temperature range: -55°C to +125°C
- Taper: linear



DIMENSIONS (IN.)

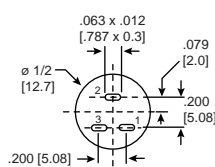
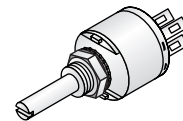
MOUSER STOCK NO.	Resistance Values (Ω)	Max. Power @ +40°C	Maximum Current Through Element	Price Each			
				1	10	25	50
72-P16NP-1K	1K	1W	31.6mA	5.98	5.44	5.17	4.90
72-P16NP-5K	5K	1W	14.58mA	5.98	5.44	5.17	4.90
72-P16NP-10K	10K	1W	10mA	5.98	5.44	5.17	4.90
72-P16NP-50K	50K	1W	4.61mA	5.98	5.44	5.17	4.90
72-P16NP-1M	1M	.12W	.35mA	5.98	5.44	5.17	4.90
72-P16NP-4.7M	4.7M	---	.07mA	5.98	5.44	5.17	4.90



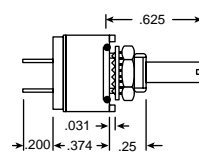
CERMET POTENTIOMETERS, MODEL PRV6

Specifications:

- Resistance tolerance: ±10%
- Power rating: 1.5W @ 70°C
- Electrical travel: 270° ± 15°
- Mechanical travel: 300° ± 5°
- Temperature range: -55°C to +125°C
- Mechanical life 50,000 cycles
- Solder lugs
- Taper: linear



DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Resistance Values (Ω)	Max. Power @ +70°C	Maximum Current Through Element	Price Each			
				1	10	25	50
72-PRV6-1K	1K	1.5W	38.7mA	11.36	9.85	9.09	7.58
72-PRV6-10K	10K	1.5W	12.2mA	11.36	9.85	9.09	7.58
72-PRV6-50K	50K	1.5W	5.65mA	11.36	9.85	9.09	7.58
72-PRV6-100K	100K	1.22W	3.5mA	11.36	9.85	9.09	7.58
72-PRV6-500K	500K	0.25W	0.7mA	11.36	9.85	9.09	7.58
72-PRV6-1M	1M	0.12W	0.35mA	11.36	9.85	9.09	7.58

Potentiometers

Vishay

3mm SINGLE TURN SMD, SQUARE, OPEN FRAME, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±30%
- Operating temperature range: -40°C to +100°C
- Rated voltage: 50VDC

- Electrical Rotation: 270° ± 20°
- Power rating: .1W @ 70°C
- Temperature Coefficient: ±250ppm/°C

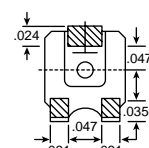
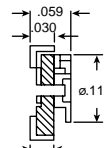
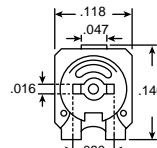
Surface Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Table of Values (Ω)	Price Each			
		1	25	50	100
72-ST30A-Value	1K, 5K, 50K, 100K	.40	.32	.27	.26



DIMENSIONS (IN.)



3mm SINGLE TURN SMD, SQUARE, SEALED, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±20%
- Operating temperature range: -55°C to +125°C

- Rotational life: 100 cycles
- Power rating: .125W @ 70°C, 0W @ 125°C
- Temperature Coefficient: ≤100 ohms ± 150ppm/°C, >100 ohms ± 100ppm/°C

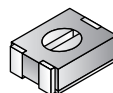
Features:

- Compatible with surface mount manufacturing processes
- 100 cycle rotational and seal life

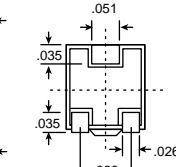
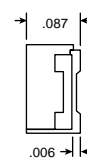
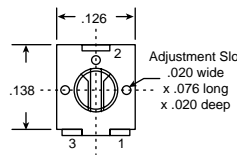
Surface Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Table of Values (Ω)	Cross-Reference	Price Each			
			1	50	100	500
72-TS3YJ-Value	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	3313J	1.38	1.21	1.12	1.04



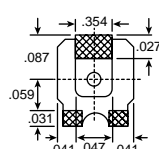
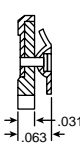
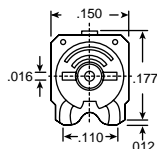
DIMENSIONS (IN.)



4mm SINGLE TURN SMD, SQUARE, OPEN FRAME, CERMET TRIMMER POTENTIOMETERS



DIMENSIONS (IN.)



Specifications:

- Tolerance: ±30%
- Operating temperature range: -40°C to +100°C

- Rated voltage: 100VDC
- Rotation: 270° ± 20°
- Power rating: .2W @ 70°C
- Temperature Coefficient: ±250ppm/°C

Surface Mount

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Table of Values (Ω)	Price Each			
		1	25	50	100
72-ST22A-Value	5K, 100K, 500K	.45	.38	.36	.35

4mm SINGLE TURN SMD, SQUARE, SEALED, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±20%
- Operating temperature range: -55°C to +125°C
- Rotational life: 100 cycles
- Power rating: .25W @ 70°C, 0W @ 125°C
- Temperature Coefficient: ±100ppm/°C

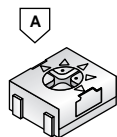
Features:

- Fully sealed to withstand board washing
- J-hook and gull-wing configurations

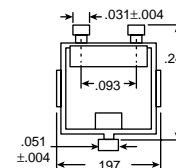
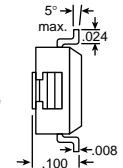
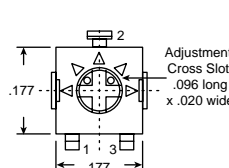
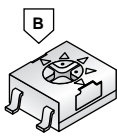
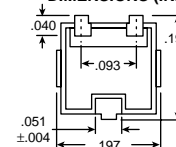
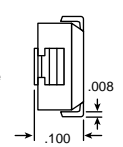
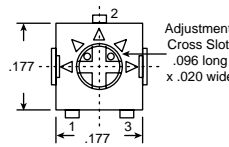
Surface Mount

For quantities greater than listed, call for quote.

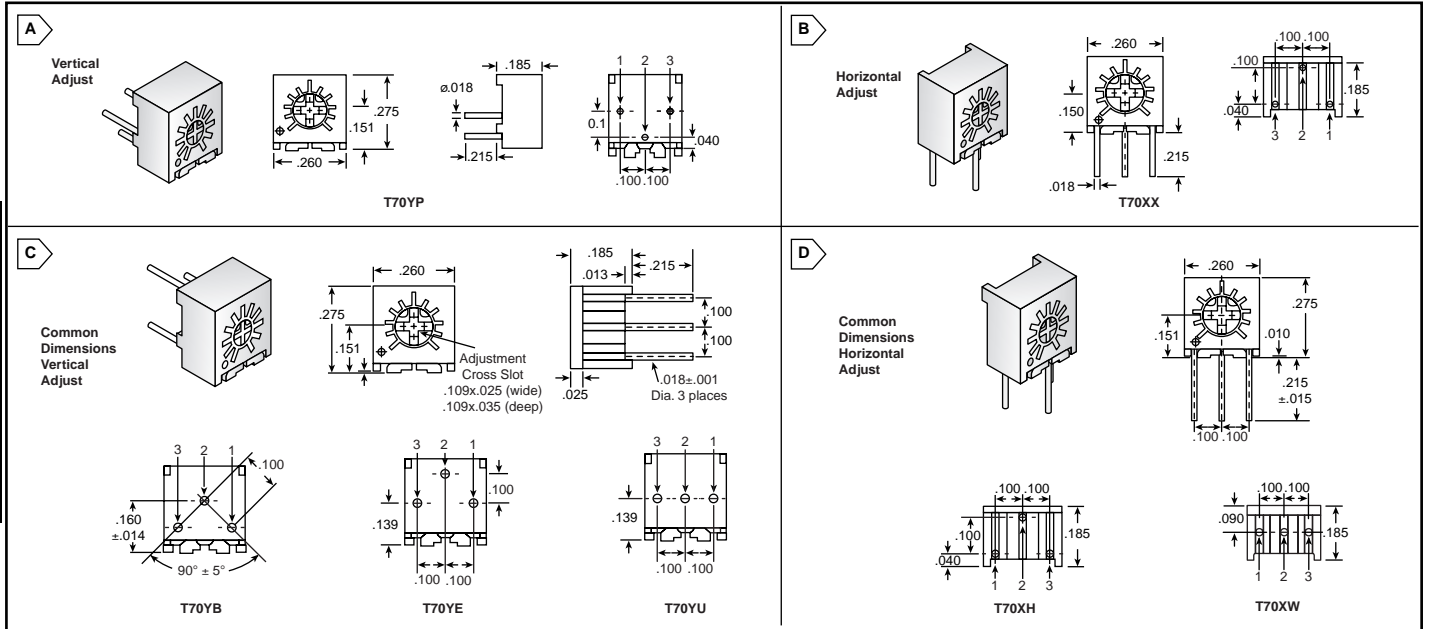
MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	50	100	500
72-TS4YJ-Value	A	{ 10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	1.32	1.16	1.07	.99
72-TS4YL-Value	B	{ 10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	1.32	1.16	1.07	.99



DIMENSIONS (IN.)



DIMENSIONS (IN.)



Vishay Potentiometers

VISHAY 1/4" SINGLE-TURN, SQUARE, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±10%
- Operating temperature range: -55°C to +125°C
- Rated voltage: 250VDC

- Rotation: 250° ± 15°
- Power rating: .5W @ 100°C
- Temperature coefficient: ±70ppm/°C
- Rotation life: 200 cycles

Features:

- Withstands harsh environments and immersion cleaning processes

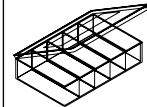
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	25	50	100
72-T70YP-Value	A	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60
72-T70XX-Value	B	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60
72-T70YB-Value	C	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60
72-T70YE-Value	C	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60
72-T70YU-Value	C	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60
72-T70XH-Value	D	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60
72-T70XW-Value	D	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M	.88	.73	.65	.60

Trimmer Potentiometer Kits

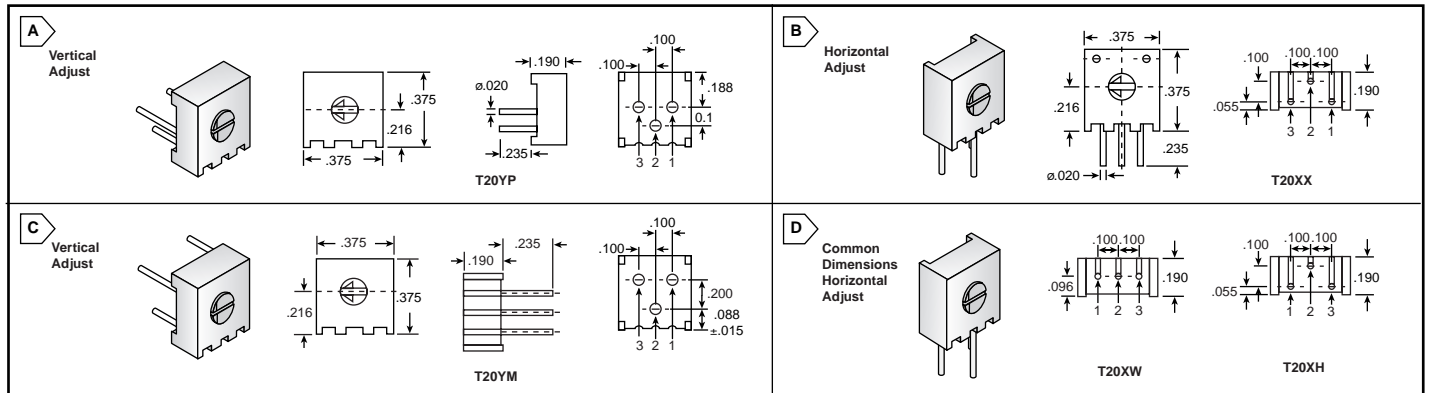
Kit Contains 85 Pieces:

- 10 each: 1K, 5K, and 10K
- 5 each: 100, 200, 500, 2K, 25K, 50K, 100K, 200K, 500K, and 1M



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Price Each	
	1	25
370-T70XX-KIT	64.95	59.95
370-T70XW-KIT	64.95	59.95
370-T70YP-KIT	64.95	59.95



DIMENSIONS (IN.)

VISHAY 3/8" SINGLE-TURN, SQUARE, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +125°C
- Rated voltage: 250VDC

- Rotation: 250° ± 15°
- Power rating: .5W @ +85°C
- Temperature Coefficient: ±100ppm/°C
- Rotation life: 200 cycles

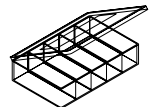
Features:

- Withstands harsh environments and immersion cleaning processes.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	25	50	100
72-T20YP-Value	A	50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	.76	.60	.58	.56
72-T20XX-Value	B		.76	.60	.58	.56
72-T20YM-Value	C		.76	.60	.58	.56
72-T20XH-Value	D		.76	.60	.58	.56
72-T20XW-Value	D		.76	.60	.58	.56

Trimmer Potentiometer Kits



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Kit Contains 90 Pieces	Price Each
		1
370-T20XX-KIT	10 each: 1K, 5K, & 10K 5 each: 50, 100, 200, 500, 2K, 20K, 50K, 100K, 200K, 500K, 1M, & 2M	59.95
370-T20XW-KIT		59.95
370-T20YP-KIT		59.95

1/4" 15-TURN, SQUARE, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VD
- Rotation: 15 turns ±5
- Power rating: .25W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .02" x .02"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T63YB-Value	A	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 100K, 200K, 250K, 500K, 1M	2.49	2.27	2.13	1.99	1.68
72-T63XB-Value	B		2.49	2.27	2.13	1.99	1.68
72-T63ZB-Value	C		2.49	2.27	2.13	1.99	1.68

1/4" 13-TURN SMD, SQUARE, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VD
- Rotation: 13 turns ±2
- Power rating: .25W @ 85°C
- Temperature coefficient: ±50ppm/°C
- Screwdriver slot: .02" x .02"

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-TS63Y-Value	D	10, 20, 50, 100, 200, 500, 1K, 2K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	2.89	2.35	1.88	1.72	1.51

3/4" 15-TURN, RECTANGULAR, HORIZONTAL ADJUST, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VDC
- Rotation: 15 turns ±1
- Power rating: .75W @ 70°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T18-Value	E	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M, 2M	1.24	1.19	1.15	1.05	.884

3/8" 19-TURN, SQUARE, CERMET TRIMMER POTENTIOMETERS

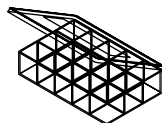
Specifications:

- Tolerance: ±10%
- Rated voltage: 250VDC
- Operating temperature range: -55°C to +155°C
- Rotation: 19 turns ±2
- Power rating: .50W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

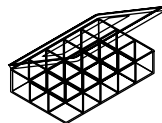
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T93XA-Value	F	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	1.20	1.15	1.10	1.05	.901
72-T93XB-Value	G		1.20	1.15	1.10	1.05	.901
72-T93YA-Value	H		1.20	1.15	1.10	1.05	.901
72-T93YB-Value	I		1.20	1.15	1.10	1.05	.901
72-T93Z-Value	J		2.34	2.24	2.15	2.05	1.72

MOUSER STOCK NO.	Kit Contains 90 Pieces	Price Each
370-T93XA-KIT	10 each: 1K, 5K, 10K 5 each: 10, 50, 100, 500, 2K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	99.95
370-T93XB-KIT		
370-T93YA-KIT		
370-T93YB-KIT		
370-T93Z-KIT		



MOUSER STOCK NO.	Kit Contains 90 Pieces	Price Each
370-T18-KIT	10 each: 1K, 5K, 10K 5 each: 100, 200, 500, 2K, 20K, 25K, 50K, 100K, 200K, 500K, 1M, 2M	99.95



DIMENSIONS (IN.)

A

B

C

D

E

F

G

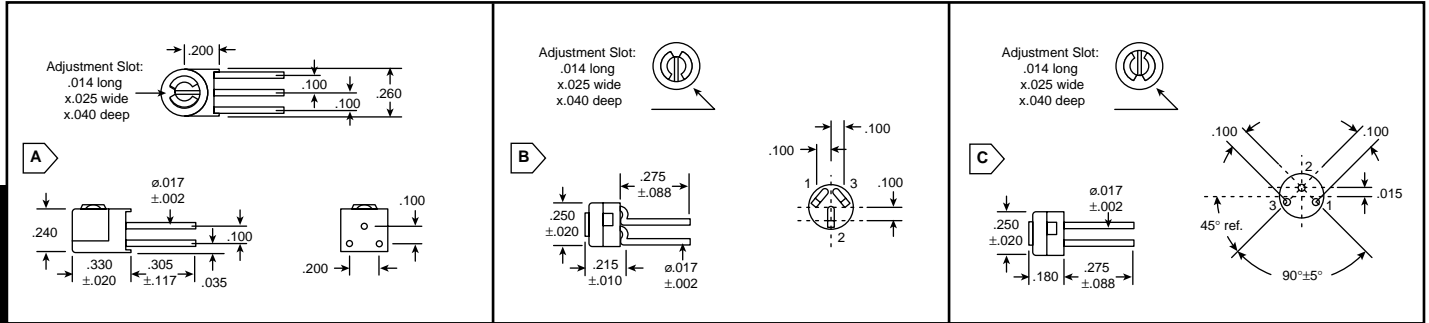
H

I

J

Vishay Single-Turn, Multi-Turn Potentiometers, and Attenuators

DIMENSIONS (IN.)



Potentiometers

Vishay

VISHAY 1/4" SINGLE-TURN, ROUND, CERMET TRIMMER POTENTIOMETERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +150°C

- Rotational life: 200 cycles
- Power rating: .5W @ +85°C
- Temperature coefficient: ±100ppm/°C

Features:

- Fully sealed to withstand board washing

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	25	50	100
72-T7RX-Value	A	50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M	1.50	1.25	1.13	1.00
72-T7RYA-Value	B		1.50	1.25	1.13	1.00
72-T7RYB-Value	C		1.50	1.25	1.13	1.00

VISHAY ADJUSTABLE ATTENUATORS

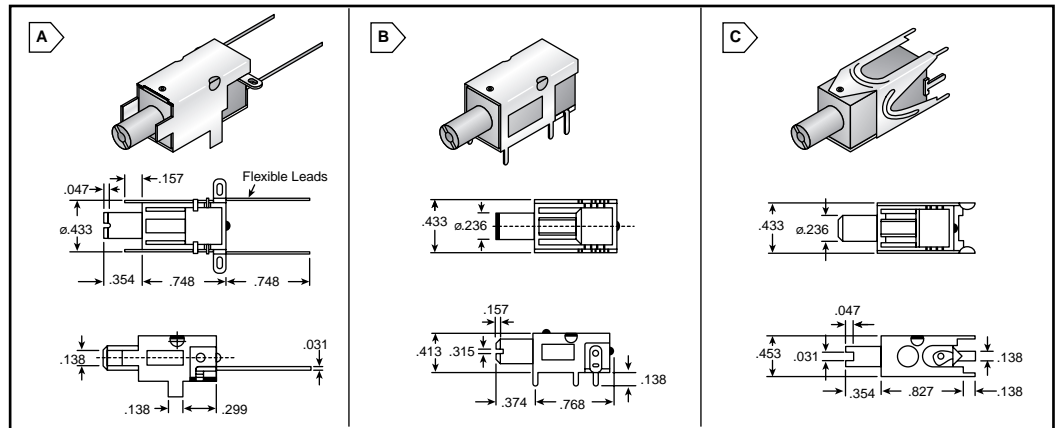
DIMENSIONS (IN.)

Specifications:

- Impedance: 75Ω
- Actuation: insul. plastic shaft w/screwdriver slot
- Terminals: silver plated lugs, tinned pins
- Nominal angle of rotation: 3 revolutions

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Price Each			
		1	5	10	25
72-M2001-HP1	A	4.58	3.66	3.20	2.75
72-M2001-HP2	B	4.58	3.66	3.20	2.75
72-M2001-HS2	C	4.58	3.66	3.20	2.75



VISHAY 4mm MULTI-TURN SMD, SQUARE, CERMET TRIMMER POTENTIOMETERS

DIMENSIONS (IN.)

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -65°C to +150°C
- Rotation cycling: 200 cycles
- Power rating: .25W @ +85°C
- Temperature coefficient: ±100ppm/°C

Features:

- Sealed to withstand board wash processing
- Pick and place centering design
- 4mm design meets EIA SMD standard trimmer footprint
- Top and side adjust styles
- Temperature coefficient: ±100ppm/°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	25	50	100
72-TSM43YJ-Value	A	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K	3.20	2.75	2.46	2.34
72-TSM43ZJ-Value	B		3.20	2.75	2.46	2.34

Vishay Single & Multi-Turn Trimmer Potentiometers



3/8" SINGLE-TURN CERMET TRIMMERS

Specifications:

- Tolerance: $\pm 10\%$
- Coefficient of resistance: $\pm 100\text{ppm}/^\circ\text{C}$
- Rating: 0.5 W @ 70°C, derated linearly to 0 W @ 125°C
- Contact resistance variation: 2% or 2 Ω , whichever is greater
- Electrical travel: 270°

Features:

- Sealed for cleaning in common solvents
- Easy adjustment and stability

Cross-Reference Chart

Spectrol	BI Technologies
63S	72XL
63X	72X
63M	72PM
63P	72P

Series No.	Price Each					
	1	25	50	100	200	500+
63S, 63M	1.07	1.05	1.03	.84	.74	Call
63X, 63P	1.02	1.00	.99	.81	.71	Call

Value (Ω)	63S Series	63X Series	63M Series	63P Series
MOUSER STOCK NO.				
10	---	---	---	594-63P100
20	---	---	---	594-63P200
50	---	---	---	594-63P500
100	594-63S101	594-63X101	594-63M101	594-63P101
200	594-63S201	594-63X201	594-63M201	594-63P201
500	594-63S501	594-63X501	594-63M501	594-63P501
1K	594-63S102	594-63X102	594-63M102	594-63P102
2K	---	594-63X202	---	594-63P202
5K	594-63S502	594-63X502	594-63M502	594-63P502
10K	594-63S103	594-63X103	594-63M103	594-63P103
20K	594-63S203	594-63X203	594-63M203	594-63P203
25K	594-63S253	---	---	594-63P253
50K	594-63S503	594-63X503	594-63M503	594-63P503
100K	594-63S104	594-63X104	594-63M104	594-63P104
200K	594-63S204	594-63X204	---	594-63P204
250K	---	---	---	594-63P254
500K	594-63S504	594-63X504	---	594-63P504
1M	594-63S105	594-63X105	---	594-63P105
2M	594-63S205	594-63X205	---	594-63P205

3/8" SINGLE-TURN CERMET TRIMMERS WITH KNOB

Value (Ω)	63X Series (T7)	63P Series (T7)	63P Series (T4)
MOUSER STOCK NO.			
1K	594-63X102T7	594-63P102T7	594-63P102T4
2K	---	594-63P202T7	594-63P202T4
5K	594-63X502T7	594-63P502T7	594-63P502T4
10K	594-63X103T7	594-63P103T7	594-63P103T4
20K	594-63X203T7	594-63P203T7	594-63P203T4
50K	594-63X503T7	594-63P503T7	594-63P503T4
100K	594-63X104T7	594-63P104T7	594-63P104T4

Price Each					
1	25	50	100	200	500+
2.05	1.82	1.64	1.50	1.31	Call

MODEL 64 3/8" 25-TURN CERMET TRIMMERS

Specifications:

- Tolerance: $\pm 10\%$
- Coefficient of resistance: $\pm 100\text{ppm}/^\circ\text{C}$
- Rating: 0.5 W @ 70°C, derated linearly to 0 W @ 125°C
- Contact resistance variation: 2% or 2 Ω , whichever is greater
- 25 turns nominal

Features:

- Sealed for cleaning in common solvents
- Easy adjustment and stability

Cross-Reference Chart

Spectrol	BI Technologies
64X	67X
64Z	67Z
64P	67P
64W	67W
64Y	67Y

Price Each				
1	25	50	100	500+
2.00	1.95	1.88	1.54	1.35
				Call

Value (Ω)	64X Series	64Z Series	64P Series	64W Series	64Y Series
MOUSER STOCK NO.					
10	---	---	---	---	594-64Y100
20	---	---	---	---	594-64Y200
50	---	---	---	---	594-64Y500
100	594-64X101	---	594-64P101	594-64W101	594-64Y101
200	594-64X201	---	594-64P201	594-64W201	594-64Y201
500	594-64X501	594-64Z501	594-64P501	594-64W501	594-64Y501
1K	594-64X102	594-64Z102	594-64P102	594-64W102	594-64Y102
2K	---	---	594-64P202	---	---
5K	594-64X502	594-64Z502	594-64P502	594-64W502	594-64Y502
10K	594-64X103	594-64Z103	594-64P103	594-64W103	594-64Y103
20K	594-64X203	---	594-64P203	594-64W203	594-64Y203
25K	594-64X253	---	---	594-64W253	594-64Y253
50K	594-64X503	---	594-64P503	594-64W503	594-64Y503
100K	594-64X104	594-64Z104	594-64P104	594-64W104	594-64Y104
200K	594-64X204	---	---	594-64W204	---
250K	594-64X254	---	---	594-64W254	594-64Y254
500K	594-64X504	---	---	594-64W504	594-64Y504
1M	594-64X105	---	---	594-64W105	594-64Y105
2M	594-64X205	---	---	594-64W205	---

DIMENSIONS (IN.)

<p>63S</p>	<p>63X</p>
<p>63M</p>	<p>63P</p>
<p>63X (T7)</p>	<p>63P (T7)</p>
<p>63P (T4)</p>	<p>64X</p>
<p>64Z</p>	<p>64P</p>
<p>64W</p>	<p>64Y</p>



Vishay Single-Turn Potentiometers, Position Sensor and Dials



148- 149 SERIES 1/2" SQUARE SINGLE-TURN

General Specifications:

- Temperature: -20°C to +125°C
- PCB Pins
- Electrical travel: 265° ±5°

Cermet:

- Rational Life: 50,000
- Power rating: 1W @ 85°C, derating to 0W @ 150°C

Conductive Plastic:

- Rational Life: 100,000
- Power rating: 0.5W @ 70°C, derating to 0W @ 125°C

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (Ω)	Tolerance	Price Each						
					1	10	25	50	100	200+	
Conductive Plastic 1/8" Shaft											
594-148-1102	148-11102	A	1K	±20%	7.88	7.09	6.30	5.67	4.97	Call for Quote	
594-148-1502	148-11502	A	5K	±20%	7.88	7.09	6.30	5.67	4.97		
594-148-1103	148-11103	A	10K	±20%	7.88	7.09	6.30	5.67	4.97		
594-148-1503	148-11503	A	50K	±20%	7.88	7.09	6.30	5.67	4.97		
594-148-1104	148-11104	A	100K	±20%	7.88	7.09	6.30	5.67	4.97		
Conductive Plastic 1/4" Shaft											
594-148-7102	148-71102	B	1K	±20%	7.88	7.09	6.30	5.67	4.97	Call for Quote	
594-148-7502	148-71502	B	5K	±20%	7.88	7.09	6.30	5.67	4.97		
594-148-7103	148-71103	B	10K	±20%	7.88	7.09	6.30	5.67	4.97		
594-148-7503	148-71503	B	50K	±20%	7.88	7.09	6.30	5.67	4.97		
594-148-7104	148-71104	B	100K	±20%	7.88	7.09	6.30	5.67	4.97		
Cermet 1/8" Shaft											
594-149-1102	149-11102	A	1K	±10%	7.88	7.09	6.30	5.67	4.97	Call for Quote	
594-149-1502	149-11502	A	5K	±10%	7.88	7.09	6.30	5.67	4.97		
594-149-1103	149-11103	A	10K	±10%	7.88	7.09	6.30	5.67	4.97		
594-149-1503	149-11503	A	50K	±10%	7.88	7.09	6.30	5.67	4.97		
594-149-1104	149-11104	A	100K	±10%	7.88	7.09	6.30	5.67	4.97		
Cermet 1/4" Shaft											
594-149-7102	149-71102	B	1K	±10%	7.88	7.09	6.30	5.67	4.97	Call for Quote	
594-149-7502	149-71502	B	5K	±10%	7.88	7.09	6.30	5.67	4.97		
594-149-7103	149-71103	B	10K	±10%	7.88	7.09	6.30	5.67	4.97		
594-149-7503	149-71503	B	50K	±10%	7.88	7.09	6.30	5.67	4.97		
594-149-7104	149-71104	B	100K	±10%	7.88	7.09	6.30	5.67	4.97		

248-249 SERIES 1/2" SQUARE SINGLE-TURN

General Specifications:

- Temperature: -55°C to +125°C
- Rotational life: 50,000
- PCB Pins
- Electrical travel: 265° ±5°

Conductive Plastic:

- Power rating: 0.5W @ 70°C, derating to 0W @ 125°C

Cermet:

- Power rating: 1W @ 70°C, derating to 0W @ 125°C

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (Ω)	Tolerance	Price Each						
					1	10	25	50	100	200+	
Conductive Plastic 1/8" Shaft											
594-248-1102	248-8-08-102	C	1K	±20%	5.50	5.19	4.82	4.37	3.93	Call for Quote	
594-248-1502	248-8-08-502	C	5K	±20%	5.50	5.19	4.82	4.37	3.93		
594-248-1103	248-8-08-103	C	10K	±20%	5.50	5.19	4.82	4.37	3.93		
594-248-1503	248-8-08-503	C	50K	±20%	5.50	5.19	4.82	4.37	3.93		
594-248-1104	248-8-08-104	C	100K	±20%	5.50	5.19	4.82	4.37	3.93		
Conductive Plastic 1/4" Shaft											
594-248-7102	248-9-10-102	D	1K	±20%	5.50	5.19	4.82	4.37	3.93	Call for Quote	
594-248-7502	248-9-10-502	D	5K	±20%	5.50	5.19	4.82	4.37	3.93		
594-248-7103	248-9-10-103	D	10K	±20%	5.50	5.19	4.82	4.37	3.93		
594-248-7503	248-9-10-503	D	50K	±20%	5.50	5.19	4.82	4.37	3.93		
594-248-7104	248-9-10-104	D	100K	±20%	5.50	5.19	4.82	4.37	3.93		
Cermet 1/8" Shaft											
594-249-1102	249-8-08-102	C	1K	±10%	5.50	5.19	4.82	4.37	3.93	Call for Quote	
594-249-1502	249-8-08-502	C	5K	±10%	5.50	5.19	4.82	4.37	3.93		
594-249-1103	249-8-08-103	C	10K	±10%	5.50	5.19	4.82	4.37	3.93		
594-249-1503	249-8-08-503	C	50K	±10%	5.50	5.19	4.82	4.37	3.93		
594-249-1104	249-8-08-104	C	100K	±10%	5.50	5.19	4.82	4.37	3.93		
Cermet 1/4" Shaft											
594-249-7102	249-9-10-102	D	1K	±10%	5.50	5.19	4.82	4.37	3.93	Call for Quote	
594-249-7502	249-9-10-502	D	5K	±10%	5.50	5.19	4.82	4.37	3.93		
594-249-7103	249-9-10-103	D	10K	±10%	5.50	5.19	4.82	4.37	3.93		
594-249-7503	249-9-10-503	D	50K	±10%	5.50	5.19	4.82	4.37	3.93		
594-249-7104	249-9-10-104	D	100K	±10%	5.50	5.19	4.82	4.37	3.93		

MODEL 601-1045 FULL 360° SMART POSITION SENSOR

The model 601-1045 represents a new generation of Smart Sensors. This unique electronic device is a self-contained package which provides an analogue electrical output over a full 360° without the need for external electronics.

Environmental Specifications:

- Operating Life: 5,000,000 cycles
- Operating Temperature Range: -40°C to 70°C

Pin Connection	Function
1 +5V	Supply
2 OV	
3 Output	O/P Voltage
4 Direction	Ramp Polarity

MOUSER STOCK NO.	Vishay Part No.	Fig.	Description	Price Each					
				1	5	10	25	50	100+
594-601-1045	601-1045-000	E	Smart position sensor	60.34	55.61	48.00	45.00	41.00	Call for Quote
594-601-1056	601-1056-000	E	IDC connector w/12" ribbon cable	6.78	6.26	5.59	5.14	4.99	

PRECISION DIALS Metal Shaft

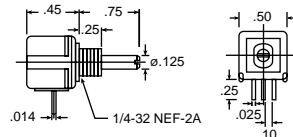
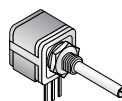
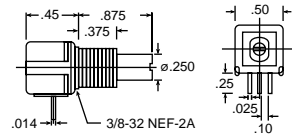
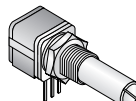
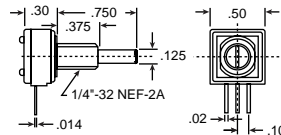
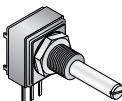
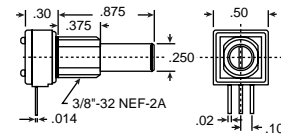
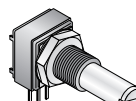
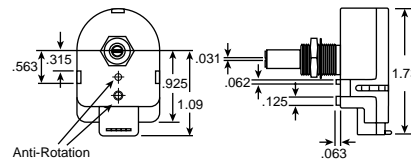
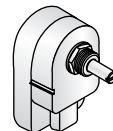
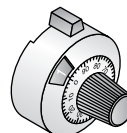
Features:

- Large, easy to read numbers
- Positive brake action
- Shaft bore is .250"

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Turns	Minor Scale	Finish Chrome	Size (In.)		Price Each			
						W	H	1	5	10	25
594-16111	016-1-11	F	15	1/50	Clear anodized	.875	.875	9.68	9.31	8.96	8.64
594-11111	011-1-11	F	11	1/50	Satin	1.0	.826	18.25	17.45	16.77	16.18
594-21111	021-1-11	F	15	1/100	Satin	1.81	1.0	19.00	18.20	17.51	16.89
594-15111	015-1-11	G	10	1/100	Satin	1.0	1.75	17.04	16.38	15.78	15.21

DIMENSIONS (IN.)

A**B****C****D****E****F****G**

MODEL 830 THREE TURN WIREWOUND

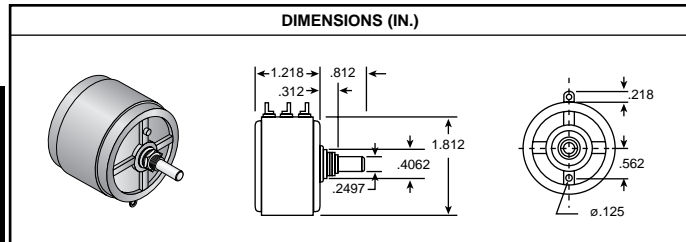
Electrical Specifications:

- Tolerance: $\pm 3\%$, $200\Omega \leq R_t \leq 150K\Omega$
- Power rating: $3W @ 40^\circ C$ derating to $0W @ 125^\circ C$
- Electrical travel: $1,080^\circ \pm 4^\circ - 0^\circ$

Physical Specifications:

- Temperature: $-55^\circ C$ to $+125^\circ C$
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.
- 3 turn 3 watts

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (Ω)	Resistance %	Temp. Coeff. PPM/ $^\circ C$	Price Each		
				1	5	10
594-830-1102	1K	0.050	110	43.99	42.41	41.35
594-830-1202	2K	0.047	20	43.99	42.41	41.35
594-830-1502	5K	0.035	20	43.99	42.41	41.35
594-830-1103	10K	0.029	20	43.99	42.41	41.35
594-830-1203	20K	0.024	20	60.92	58.73	57.27
594-830-1503	50K	0.017	20	60.92	58.73	57.27

Potentiometers

Vishay / Spectrol

MODEL 860 TEN TURN WIREWOUND

Physical Specifications:

- Temperature: $-55^\circ C$ to $+125^\circ C$
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.

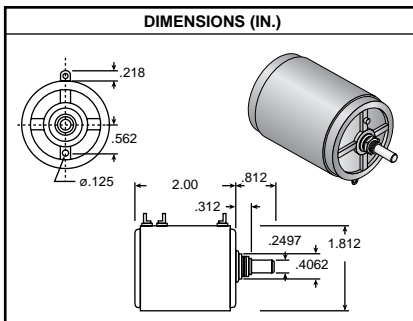
Electrical Specifications:

- Tolerance: $\pm 3\%$, $200\Omega \leq R_t \leq 500K\Omega$
- Power rating: $8W @ 40^\circ C$ derating to $0W @ 125^\circ C$
- Electrical travel: $3,600^\circ \pm 4^\circ - 0^\circ$

Price Each

1	5	10	25
51.44	48.23	46.62	45.00

DIMENSIONS (IN.)



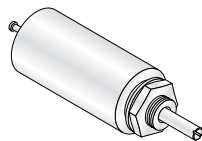
Value (Ω)	MOUSER STOCK NO.
500	594-860-1501
1K	594-860-1102
5K	594-860-1502
10K	594-860-1103

MODEL 162 1/2" TEN TURN PRECISION WIREWOUND

Specifications:

- Body (LxD): $1.00" \times 0.50"$
- Shaft (LxD): $.687" \times .0935"$
- Power rating: $2.0W @ 40^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 0.3\%$
- Resistance tolerance: $\pm 5\%$
- Temperature coefficient: $\pm 20ppm/^\circ C$
- Temperature range: $-55^\circ C$ to $+125^\circ C$
- Electrical rotation: $3600^\circ \pm 15^\circ - 0^\circ$

MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	5	10
594-16211102	1K	70.56	66.15	63.95
594-16211202	2K	70.56	66.15	63.95
594-16211103	10K	70.56	66.15	63.95
594-16211104	100K	85.04	79.73	77.07

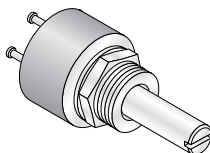


MODEL 140 1/2" SINGLE-TURN PRECISION WIREWOUND

Specifications:

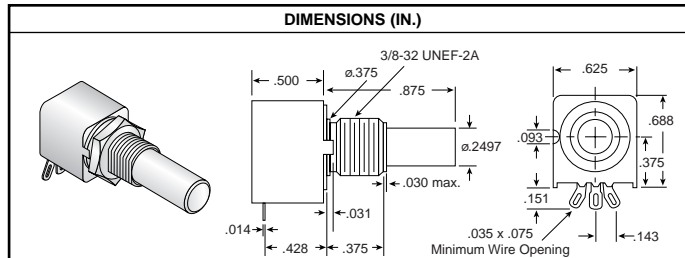
- Body (LxD): $.305" \times .500"$
- Shaft (LxD): $.70" \times 0.1248"$
- Power rating: $2.0W @ 40^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 1.0\%$
- Resistance tolerance: $\pm 5\%$
- Temperature coefficient: $\pm 20ppm/^\circ C$
- Temperature range: $-55^\circ C$ to $+125^\circ C$
- Electrical rotation: $320^\circ \pm 5^\circ$

MOUSER STOCK NO.	Values (Ω)	Price Each			
		1	5	10	25
594-14000102	1K	36.29	34.02	32.89	31.75
594-14000502	5K	36.29	34.02	32.89	31.75
594-14000103	10K	36.29	34.02	32.89	31.75
594-14000203	20K	42.24	39.60	38.28	36.96



MODEL 657 5/8" SEALED SINGLE-TURN PRECISION CONDUCTIVE PLASTIC ON ALUMINA SUBSTRATE

DIMENSIONS (IN.)



Mechanical Specifications:

- Rotation: $250^\circ \pm 2^\circ$
- Stop strength: 10 in-lb. max.

Features:

- Conductive plastic on alumina substrate
- Sealed

Price Each

1	5	10	25
13.95	10.95	8.50	7.75

Electrical Specifications:

- Tolerance: standard $\pm 20\%$
- Linearity: $\pm 5\%$
- Rotation: $240^\circ \pm 4^\circ$
- Power rating: $1.0W @ 85^\circ C$

Environmental:

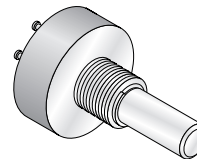
- Rotational life: 1 million cycles
- Operating temperature: $-40^\circ C$ to $+125^\circ C$

Value (Ω)	MOUSER STOCK NO.
1K	594-657-0-0-102
2K	594-657-0-0-202
5K	594-657-0-0-502
10K	594-657-0-0-103
20K	594-657-0-0-203
50K	594-657-0-0-503
100K	594-657-0-0-104

MODEL 357 7/8" SINGLE TURN CONDUCTIVE PLASTIC

Specifications:

- $1/4"$ diameter shaft
- Power rating: $1.0W @ 70^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 2\%$
- Tolerance: $\pm 20\%$
- Operational temperature: $-55^\circ C$ to $125^\circ C$
- Rotation: 360° continuous
- Rotational life: 5,000,000 shaft revolutions
- Electrical rotation: $340^\circ \pm 3^\circ$



Price Each

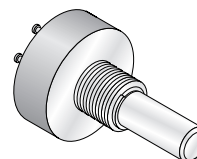
1	5	10	25
14.88	11.90	10.71	9.52

Value (Ω)	MOUSER STOCK NO.
1K	594-357-00-102
5K	594-357-00-502
10K	594-357-00-103

MODEL 157 7/8" SINGLE TURN CONDUCTIVE PLASTIC

Specifications:

- $1/4"$ diameter shaft
- Power rating: $1.0W @ 40^\circ C$ derated to $0W @ 125^\circ C$
- Linearity: $\pm 2\%$
- Resistance tolerance: $\pm 20\%$
- Temperature coefficient: $\pm 60ppm/^\circ C$
- Rotational life: 2,000,000 turns
- Electrical rotation: $340^\circ \pm 4^\circ$
- Mechanical rotation: continuous
- No mechanical stops



Price Each

1	5	10	25
18.53	14.82	13.34	11.86

Value (Ω)	MOUSER STOCK NO.
1K	594-15711102
2K	594-15711202
5K	594-15711502
10K	594-15711103
20K	594-15711203
50K	594-15711503

MODEL 534/536 7/8" TEN TURN PRECISION WIREWOUND

Specifications:

- Power rating: $3.09W @ 40^\circ C$ derated linearly to $0W @ 125^\circ C$
- Linearity: $\pm 0.25\%$
- Tolerance: $\pm 5\%$
- Temperature coefficient: $\pm 20ppm/^\circ C$
- Temperature range: $-55^\circ C$ to $+125^\circ C$

Features:

- High power rating
- Rugged integrated construction
- Superior stop strength

Cross Reference Chart

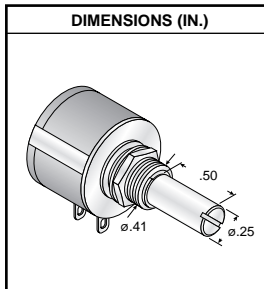
Spectrol	BI Technologies
534	7286
536	7276

For quantities greater than listed, call for quote.

Metal Shaft

MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	5	10
594-53411101	100	8.67	8.13	7.86
594-53411201	200	8.67	8.13	7.86
594-53411501	500	8.67	8.13	7.86
594-53411102	1K	8.67	8.13	7.86
594-53411202	2K	8.67	8.13	7.86
594-53411502	5K	8.67	8.13	7.86
594-53411103	10K	8.67	8.13	7.86
594-53411203	20K	8.67	8.13	7.86
594-53411503	50K	11.95	11.21	10.83
594-53411104	100K	11.95	11.21	10.83

DIMENSIONS (IN.)



Plastic Shaft

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	5	10
594-53611101	100	8.64	8.10	7.83
594-53611201	200	8.64	8.10	7.83
594-53611501	500	8.64	8.10	7.83
594-53611102	1K	8.64	8.10	7.83
594-53611202	2K	8.64	8.10	7.83
594-53611502	5K	8.64	8.10	7.83
594-53611103	10K	8.64	8.10	7.83
594-53611203	20K	8.64	8.10	7.83
594-53611503	50K	12.48	11.70	11.31
594-53611104	100K	12.48	11.70	11.31

Single Turn Trimmer Potentiometers

tyco Electronics CITEC SINGLE TURN CERMET TRIMMERS

- Features:**
- Offering the stability of a cermet resistive element
- Specifications:**
- Tolerance: $\pm 20\%$
 - Operating temp. range: -25°C to $+100^{\circ}\text{C}$
 - Operating voltage: 200VDC
 - Mechanical rotation: -260° nominal
 - Power rating @ 70°C : .5W
 - Temperature coefficient: $\pm 250\text{ppm}/^{\circ}\text{C}$

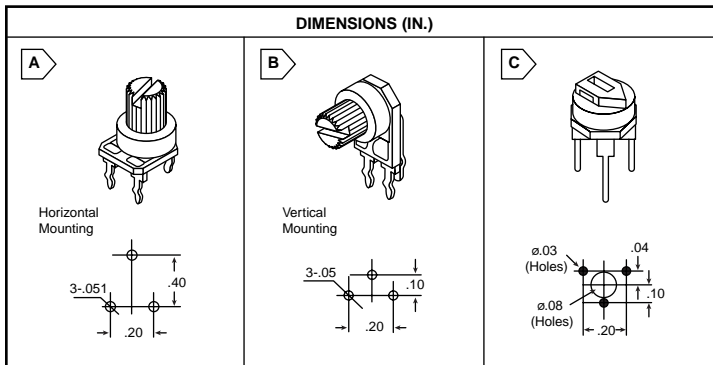
9mm For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	10	100	500
323-409H-Value	A	200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 500K, 1M	.61	.41	.37	.34
323-409V-Value	B	200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 500K, 1M	.61	.41	.37	.34

1/4" Round

- Specifications:**
- Tolerance: $\pm 20\%$
 - Operating temperature range: -25°C to $+100^{\circ}\text{C}$
 - Operating voltage: 100VDC
 - Mechanical rotation: -200° nominal
 - Power rating @ 70°C : .3W
 - Temperature coefficient: $\pm 200\text{ppm}/^{\circ}\text{C}$

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	10	100	500
323-5000-Value	C	500, 1K, 2K, 5K, 10K, 22K, 50K, 100K, 220K, 500K, 1M	.87	.67	.61	.55



SINGLE TURN TRIMMERS

4mm SMD Cermet Adjustable With Pocket Screwdriver

- Specifications:**
- Power rating: 0.2W @ 70°C
 - Max. operating voltage: 100VDC
 - Rotational torque: 20 to 200g/cm
 - Temperature coefficient: $\pm 250\text{ppm}/^{\circ}\text{C}$
 - Tolerance: $\pm 30\%$
 - Linear taper

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			Reel Qty.	Price Each
			1	10	100		
328-42-Value	A	1K, 5K, 10K, 20K, 50K, 100K, 500K	.62	.48	.43	750	.38
328-43-Value	B	1K, 5K, 10K, 20K, 50K, 100K, 500K	.62	.48	.43	750	.38

6mm Carbon

- Specifications:**
- Power rating: .3W @ $+70^{\circ}\text{C}$
 - Rotational angle: $220^{\circ} \pm 20^{\circ}$
 - Operating temp.: -40°C to $+125^{\circ}\text{C}$
 - Rotational torque: 30-300g/cm
 - Linear taper
 - Max working voltage 250V

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	10	100	500
320-TG625-Value	C	500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M	.50	.42	.39	.38

8mm, .1W 30% Tolerance

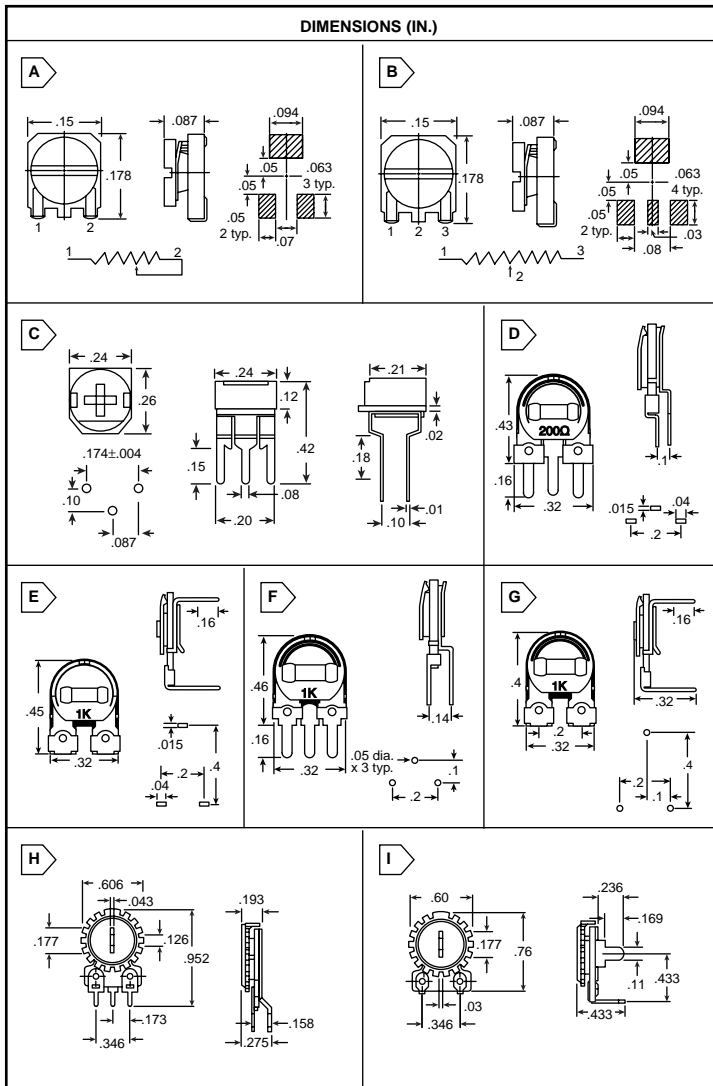
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
8mm Vertical, Hi-Rel					
32RM202	D	200	.42	.37	.31
32RM205	D	500	.42	.37	.31
32RM301	D	1K	.42	.37	.31
32RM302	D	2K	.42	.37	.31
32RM305	D	5K	.42	.37	.31
32RM401	D	10K	.42	.37	.31
32RM403	D	25K	.42	.37	.31
32RM405	D	50K	.42	.37	.31
32RM501	D	100K	.42	.37	.31
32RM505	D	500K	.42	.37	.31
32RM601	D	1Meg	.42	.37	.31
8mm Horizontal, Hi-Rel					
32RH202	E	200	.37	.31	.28
32RH205	E	500	.37	.31	.28
32RH301	E	1K	.37	.31	.28
32RH302	E	2K	.37	.31	.28
32RH305	E	5K	.37	.31	.28
32RH401	E	10K	.37	.31	.28
32RH403	E	25K	.37	.31	.28
32RH405	E	50K	.37	.31	.28
32RH501	E	100K	.37	.31	.28
32RH503	E	300K	.37	.31	.28
32RH505	E	500K	.37	.31	.28
32RH601	E	1Meg	.37	.31	.28

8mm, .1W 20% Tolerance

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
8mm Vertical - Standard					
32AG301	F	1K	.26	.22	.20
32AG305	F	5K	.26	.22	.20
32AG401	F	10K	.26	.22	.20
32AG405	F	50K	.26	.22	.20
32AG501	F	100K	.26	.22	.20
32AG505	F	500K	.26	.22	.20
8mm Horizontal					
32AA301	G	1K	.26	.22	.20
32AA305	G	5K	.26	.22	.20
32AA401	G	10K	.26	.22	.20
32AA405	G	50K	.26	.22	.20
32AA501	G	100K	.26	.22	.20
32AA505	G	500K	.26	.22	.20



15mm Carbon

- Specifications:**
- Power rating: .25W
 - Voltage rating: 200VDC
 - Nominal temperature range: -25°C to $+70^{\circ}\text{C}$
 - Standard tolerance: $\leq 500\Omega \pm 30\%$, $> 500\Omega \pm 20\%$, $\geq 500K\Omega \pm 30\%$
 - Linear taper
 - Rotational angle: $230^{\circ} \pm 20^{\circ}$

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each			
			1	10	100	500
320-1510-Value	H	300, 500, 1K, 3K, 5K, 10K, 30K, 50K, 100K, 300K, 500K, 1MEG	.46	.36	.33	.30
320-1520-Value	I	1K, 3K, 5K, 10K, 50K, 100K, 300K, 500K	.46	.36	.33	.30

Mouser	CTS	Panasonic
1510 / 1520	X201 / U201	EVL-Q0A / EVL-Q1A

Xicon Snap-In , PC Mount, and Thumbwheel Potentiometers



• Knobs for rotary potentiometers on this page are found in the electromechanical section.

Xicon Potentiometers

9mm PC MOUNT LINEAR TAPER POTENTIOMETERS

Electrical Specifications:

- Rated wattage: 0.05W
- Rated voltage: 50VAC

Mechanical Specifications:

- Rotation angle: 300°±5°
- Rotation torque: 20 to 250g/cm
- Tolerance: ±20%
- Insulation resistance: >100MΩ @ 250VDC
- Breakdown voltage: 300VAC for 1 minute

Values (Ω)
1K, 5K, 10K, 50K, 100K

DIMENSIONS (IN.)

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each			
		1	10	100	500
311-1901-Value	A	3.05	2.54	2.31	2.10
311-1902-Value	B	3.15	2.62	2.38	2.17
311-1903-Value	C	5.17	4.29	3.85	2.22

9mm SNAP-IN POTENTIOMETERS DIMENSIONS (IN.)

Specifications:

- Rated voltage: 50VAC
- Rated wattage: 0.1W
- Tolerance: <1M: ±20%, ≥1M: ±30%
- Rotation angle: 280°±5°
- Rotational life: 10,000 cycles

Vertical Mount

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2080-Value	A	Audio	1K, 2K, 5K, 10K	.98	.82	.75	.68
317-2090-Value	A	Linear	50K, 100K, 500K, 1M	.98	.82	.75	.68

Horizontal Mount

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2081-Value	B	Audio	1K, 2K, 5K, 10K	.98	.82	.75	.68
317-2091-Value	B	Linear	50K, 100K, 500K, 1M	.98	.82	.75	.68

12mm SNAP-IN POTENTIOMETERS

Specifications:

- Rated voltage: 150V linear 100V audio
- Rated wattage: 0.08W linear 0.04W audio
- Tolerance: < 1M ± 20% ≥ 1M ± 30%
- Rotational angle: 300° ± 5°
- Rotational life: 10,000 cycles

Vertical Mount

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2200-Value	A	Linear	1K, 2K, 5K, 10K, 50K	2.06	1.44	1.31	1.19
317-2201-Value	B	Linear	100K, 500K, 1M	2.31	1.54	1.40	1.28
317-2202-Value	C	Linear	-----	2.06	1.54	1.40	1.28
317-2100-Value	A	Audio	-----	2.06	1.44	1.31	1.19
317-2101-Value	B	Audio	-----	2.31	1.54	1.40	1.28
317-2102-Value	C	Audio	-----	2.31	1.54	1.40	1.28

12mm SNAP-IN POTENTIOMETERS

Specifications:

- Rated voltage: 150V linear 100V audio
- Rated wattage: 0.08W linear 0.04W audio
- Tolerance: < 1M ± 20% ≥ 1M ± 30%
- Rotational angle: 300° ± 5°
- Rotational life: 10,000 cycles

Vertical Mount

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2200-Value	A	Linear	1K, 2K, 5K, 10K, 50K	2.06	1.44	1.31	1.19
317-2201-Value	B	Linear	100K, 500K, 1M	2.31	1.54	1.40	1.28
317-2202-Value	C	Linear	-----	2.06	1.54	1.40	1.28
317-2100-Value	A	Audio	-----	2.06	1.44	1.31	1.19
317-2101-Value	B	Audio	-----	2.31	1.54	1.40	1.28
317-2102-Value	C	Audio	-----	2.31	1.54	1.40	1.28

10mm SUBMINIATURE THUMBWHEEL PC MOUNT POTENTIOMETERS

Specifications:

- Power rating: .03W
- Rotation angle: 270° ± 5°
- Linear taper
- Complete with knob
- Rotation torque: 10-100gf-cm
- Rotation life: 10,000 cycles
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%

DIMENSIONS (IN.)

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each			
		1	10	100	500
312-1001-Value	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.13	.94	.86	.78

12mm MINIATURE THUMBWHEEL POTENTIOMETERS WITH 25mm KNOB

Specifications:

- Resistance tolerance: ±20%
- Switch contact rating: 12VDC-1A

Solder Lugs **PC Mount** **PC Mount w/Switch**

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stock Values (Ω) Other Values Available on Request	Price Each			
			1	10	100	500
Audio Taper Voltage, max.: 100V Wattage: .04W						
311-1201-Value	A	1K, 10K, 500K	.87	.73	.66	.60
311-1202-Value	B	5K, 10K, 50K, 100K, 500K	.87	.73	.66	.60
311-1204-Value	C	1K, 5K, 10K, 50K, 500K	.96	.80	.73	.66
Linear Taper Voltage, max.: 150V Wattage: .08W						
311-1205-Value	A	10K	.87	.73	.66	.60
311-1206-Value	B	5K, 10K, 100K, 500K	.87	.73	.66	.60

16mm THUMBWHEEL POTENTIOMETERS WITH 25mm KNOB

Specifications:

- Rotation angle: 260° ± 10°
- Rotation torque: 20-150 g-cm
- Stop strength: 2kg-cm
- Insulation resistance: 50MΩ @ 500VDC
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%
- Breakdown voltage: 500V for 60 seconds
- Switch contact rating: 1A @ 12VDC
- Wattage: 0.1 watt-linear taper, 0.05 watt-audio taper

DIMENSIONS (mm)

For quantities of 1,000 and up, call for quote.

Value (Ω)	MOUSER STOCK NO.		
	Linear Taper	Linear Taper W/ Switch	Audio Taper W/ Switch
500	-----	-----	31TV301
1K	-----	-----	31TV301
2K	-----	-----	-----
5K	31TS305	-----	31TV305
10K	31TS401	31XT401	31TV401
50K	31TS405	31XT405	31TV405
100K	-----	31XT501	-----
1 Meg	-----	31XT601	-----

REPLACEMENT KNOBS AND SCREW

FOR 12mm AND 16mm THUMBWHEEL POTENTIOMETERS

DIMENSIONS (mm)

450KN007 Knob 48SS002 Screw

Specifications:

- Molded plastic black knobs
- Fits our 31TV, 31TS, 31XT, 311-1201, 311-1202, 311-1204, 311-1205, 311-1206

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Dim. D (mm)	Price Each			
		1	100	1000	10,000
450KN007	25	.15	.10	.094	.085
450-0007	20	.15	.10	.094	.085
450-0008	16	.15	.10	.094	.085
48SS002	---	---	---	.01	.009

13mm CARBON COMPOSITION

Specifications:

- Resistance tolerance: ±20%
- Wattage rating: 0.1W
- Anti-rotational torque: 3 Kg-cm
- Operational temperature: -10°C to +70°C
- Breakdown voltage: 500V @ 60 seconds
- Rotational life: 5,000 cycles
- Linear taper
- Bushing: M6x0.75

For quantities of 1,000 and up, call for quote.

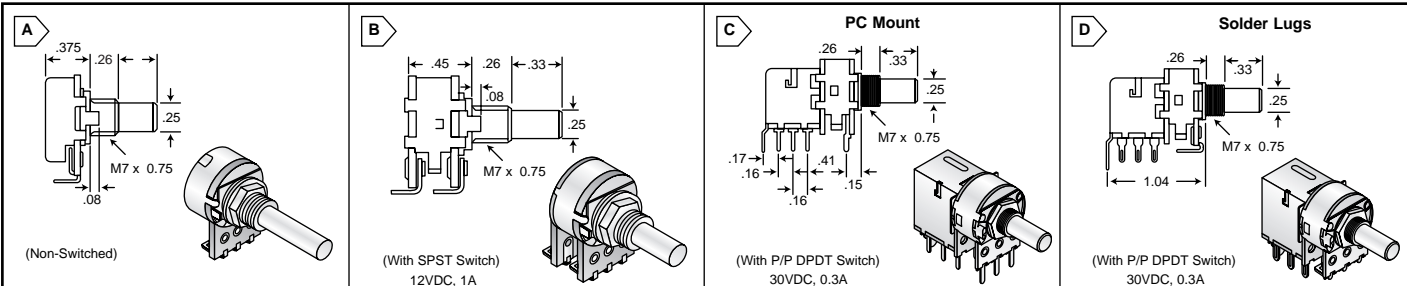
MOUSER STOCK NO.	Value (Ω)	Price Each			
		1	10	100	500
31CX301	1K	1.96	1.63	1.49	1.35
31CX305	5K	1.96	1.63	1.49	1.35
31CX401	10K	1.96	1.63	1.49	1.35
31CX405	50K	1.96	1.63	1.49	1.35
31CX501	100K	1.96	1.63	1.49	1.35
31CX505	500K	1.96	1.63	1.49	1.35
31CX601	1M	1.96	1.63	1.49	1.35

16mm MINIATURE CARBON COMPOSITION

• Rated voltage: 200V linear; 150V audio • Rotation angle: 300°±5° • Insulation resistance: >100MΩ • Breakdown voltage: 500VAC for 1 minute • Tolerance: <1M: ±20%, ≥1M: ±30%

Each supplied with one hex nut and one flat washer

DIMENSIONS (IN.)



Shaft (L): .53"; 0.125 Watts; Linear Taper

Linear - 0.2 Watts; Audio - 0.125 Watts; Shaft length: .33"

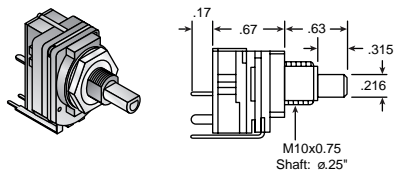
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)
31JN301	A	1K
31JN302	A	2K
31JN305	A	5K
31JN401	A	10K
31JN405	A	50K
31JN505	A	500K
31JN601	A	1MEG

MOUSER STOCK NO.	Fig.	Taper	Description	Value (Ω)	Price Each			
					1	10	100	500
313-1000-Value	A	Linear	---	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M, & 1.2M	1.21	1.05	.92	.84
313-2000-Value	A	Linear	Center Detent	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.44	1.19	1.09	.99
313-3000-Value	A	Linear	11 detent positions	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.74	1.45	1.32	1.19
313-4000-Value	A	Audio	11 detent positions	10K, 50K, 100K, & 1M	1.74	1.45	1.32	1.19
313-1100-Value	B	Linear	With SPST switch	1K, 5K, 10K, 50K, 100K, 500K, & 1M	2.05	1.71	1.55	1.41
313-1600-Value	C	Linear	With DPDT switch	1K, 5K, 10K, 50K, & 100K	3.75	3.12	2.84	2.58
313-1601-Value	D	Linear	With DPDT switch	1K, 5K, 10K, 50K, 100K, 250K, 500K	3.75	3.12	2.84	2.58

16mm PC MOUNT LINEAR TAPER WITH SWITCH

- Rated voltage: 200V
- Rated wattage: 0.2W
- Insulation resistance: >100MΩ
- Breakdown voltage: 1000VAC for 1 minute
- Switch contact resistance: <100mΩ
- Switch rating: 250VAC, 10A
- Tolerance: <1M: ±20%, ≥1M: ±30%
- Rotational life: 100,000 cycles
- Switch life: 10,000 operations
- Rotation angle: 270°±5°
- Switch circuit: SPST
- "D" shaft (nylon)



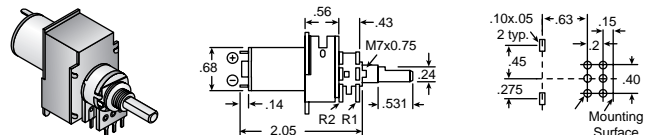
For quantities of 500 and up, call for quote.

DIMENSIONS (IN.)

MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	10	100
310-1600-Value	5K, 10K, 50K, 500K	2.40	2.00	1.82

MOTOR DRIVEN PC MOUNT

- Rotational speed (sec/300°): 11±3 (@ 4.5VDC)
- Maximum operating current (mA): 100 @ rotation, 150 @ end slip
- Motor voltage (VDC): 3-6 (4.5 standard)
- Audio volume control
- Single shaft-dual unit

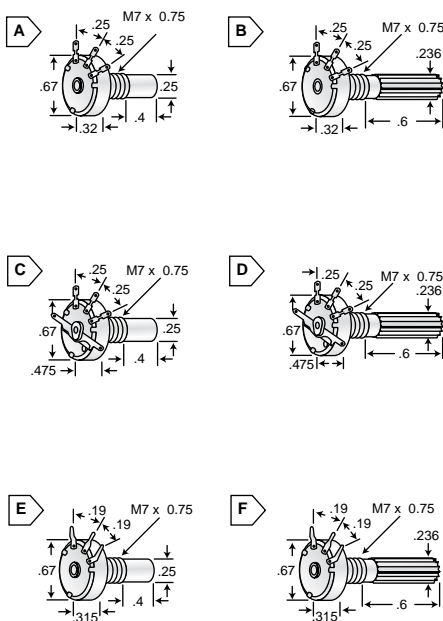


DIMENSIONS (IN.)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Tolerance	Rotational Torque	Price Each		
				1	10	100
316-1020-Value	10K, 50K, 100K	±20%	100-450gf/cm	9.98	8.98	8.25

DIMENSIONS (IN.)



17mm MINIATURE CARBON COMPOSITION

Potentiometers have aluminum shafts, bushings, body is plated steel with bakelite rear plate. Contacts and terminals are silver plated brass. Each is supplied with one hex nut and one flat washer. Tolerance: ±20%

Linear Taper

• Rated: 0.1W
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CN205	A	500	1.02	.79	.62	.56
31CN301	A	1K	1.02	.79	.62	.56
31CN302	A	2K	1.02	.79	.62	.56
31CN305	A	5K	1.02	.79	.62	.56
31CN401	A	10K	1.02	.79	.62	.56
31CN405	A	50K	1.02	.79	.62	.56
31CN501	A	100K	1.02	.79	.62	.56
31CN505	A	500K	1.02	.79	.62	.56
31CN601	A	1 MEG	1.02	.79	.62	.56
31CN602	A	2 MEG	1.02	.79	.62	.56
31CR205	B	500	1.12	.87	.68	.62
31CR301	B	1K	1.12	.87	.68	.62
31CR305	B	5K	1.12	.87	.68	.62
31CR401	B	10K	1.12	.87	.68	.62
31CR405	B	50K	1.12	.87	.68	.62
31CR501	B	100K	1.12	.87	.68	.62
31CR505	B	500K	1.12	.87	.68	.62

Linear Taper with Switch

• Rated: 0.1W
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CQ301	C	1K	1.13	.91	.71	.64
31CQ305	C	5K	1.13	.91	.71	.64
31CQ401	C	10K	1.13	.91	.71	.64
31CQ405	C	50K	1.13	.91	.71	.64
31CQ501	C	100K	1.13	.91	.71	.64
31CQ505	C	500K	1.13	.91	.71	.64
31CQ601	C	1 MEG	1.13	.91	.71	.64

Audio Taper with Switch

• Rated: .05W
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CC301	C	1K	1.13	.91	.71	.64
31CC305	C	5K	1.13	.91	.71	.64
31CC401	C	10K	1.13	.91	.71	.64
31CC501	C	100K	1.13	.91	.71	.64
31CB301	D	1K	1.24	1.00	.78	.70
31CB305	D	5K	1.24	1.00	.78	.70
31CB401	D	10K	1.24	1.00	.78	.70
31CB501	D	100K	1.24	1.00	.78	.70

Linear Taper PC Mount

• Rated: 0.1W
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CW205	E	500	1.02	.79	.62	.56
31CW301	E	1K	1.02	.79	.62	.56
31CW305	E	5K	1.02	.79	.62	.56
31CW401	E	10K	1.02	.79	.62	.56
31CW405	E	50K	1.02	.79	.62	.56
31CW501	E	100K	1.02	.79	.62	.56
31CW505	E	500K	1.02	.79	.62	.56
31CW601	E	1 MEG	1.02	.79	.62	.56
31CA205	F	500	1.12	.87	.68	.62
31CA301	F	1K	1.12	.87	.68	.62
31CA305	F	5K	1.12	.87	.68	.62
31CA401	F	10K	1.12	.87	.68	.62
31CA405	F	50K	1.12	.87	.68	.62
31CA501	F	100K	1.12	.87	.68	.62

Mechanical Specifications:

- Total rotation angle 300°±5°
- Rotational torque: 20-200 g-cm
- Carbon composition

Electrical Specifications:

- Rated wattage: Linear taper-1/2 watt, Audio taper-1/4 watt
- Rated voltage: Linear taper-500VDC, Audio taper-250VDC
- Insulation resistance: >100MΩ (500VDC)
- Withstanding voltage: 500VAC for 1 minute
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%
- 1/4" shaft diameter

SOLDER LUGS

Audio Taper, (.335") Shaft Length *

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VJ301	A	1K	1.25	.96	.87	.80
31VJ305	A	5K	1.25	.96	.87	.80
31VJ401	A	10K	1.25	.96	.87	.80
31VJ405	A	50K	1.25	.96	.87	.80
31VJ501	A	100K	1.25	.96	.87	.80
31VJ505	A	500K	1.25	.96	.87	.80
31VJ601	A	1Meg	1.25	.96	.87	.80

Linear Taper, (.335") Shaft Length *

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VA205	A	500	1.25	.96	.87	.80
31VA301	A	1K	1.25	.96	.87	.80
31VA302	A	2K	1.25	.96	.87	.80
31VA303	A	2.5K	1.25	.96	.87	.80
31VA305	A	5K	1.25	.96	.87	.80
31VA401	A	10K	1.25	.96	.87	.80
31VA403	A	25K	1.25	.96	.87	.80
31VA405	A	50K	1.25	.96	.87	.80
31VA501	A	100K	1.25	.96	.87	.80
31VA503	A	250K	1.25	.96	.87	.80
31VA505	A	500K	1.25	.96	.87	.80
31VA601	A	1 Meg	1.25	.96	.87	.80
31VA602	A	2 Meg	1.25	.96	.87	.80
31VA605	A	5 Meg	1.25	.96	.87	.80

Linear Taper, (1.32") Shaft Length *

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VC205	A	500	1.20	1.00	.91	.83
31VC301	A	1K	1.20	1.00	.91	.83
31VC302	A	2K	1.20	1.00	.91	.83
31VC303	A	2.5K	1.20	1.00	.91	.83
31VC305	A	5K	1.20	1.00	.91	.83
31VC401	A	10K	1.20	1.00	.91	.83
31VC403	A	25K	1.20	1.00	.91	.83
31VC405	A	50K	1.20	1.00	.91	.83
31VC501	A	100K	1.20	1.00	.91	.83
31VC503	A	250K	1.20	1.00	.91	.83
31VC505	A	500K	1.20	1.00	.91	.83
31VC601	A	1 Meg	1.20	1.00	.91	.83
31VC605	A	5 Meg	1.20	1.00	.91	.83

Audio Taper W/SPST Switch, (.335") Shaft Length *

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	1.19
31XP301	B	1K	1.72	1.43	1.30	1.19
31XP305	B	5K	1.72	1.43	1.30	1.19
31XP401	B	10K	1.72	1.43	1.30	1.19
31XP405	B	50K	1.72	1.43	1.30	1.19
31XP501	B	100K	1.72	1.43	1.30	1.19
31XP505	B	500K	1.72	1.43	1.30	1.19
31XP601	B	1Meg	1.72	1.43	1.30	1.19

Linear Taper W/SPST Switch, (.335") Shaft Length *

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VM205	B	500	1.72	1.43	1.30	1.19
31VM301	B	1K	1.72	1.43	1.30	1.19
31VM303	B	2.5K	1.72	1.43	1.30	1.19
31VM305	B	5K	1.72	1.43	1.30	1.19
31VM401	B	10K	1.72	1.43	1.30	1.19
31VM403	B	25K	1.72	1.43	1.30	1.19
31VM405	B	50K	1.72	1.43	1.30	1.19
31VM501	B	100K	1.72	1.43	1.30	1.19
31VM503	B	250K	1.72	1.43	1.30	1.19
31VM505	B	500K	1.72	1.43	1.30	1.19
31VM601	B	1 Meg	1.72	1.43	1.30	1.19

Linear Taper W/SPDT Switch, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
31S-2415-Value	C	1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M	2.72	2.27	2.06

SOLDER LUGS

Linear Taper W/Knurled Shaft, (.531") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VF205	D	500	1.25	.96	.87	.80
31VF301	D	1K	1.25	.96	.87	.80
31VF302	D	2K	1.25	.96	.87	.80
31VF305	D	5K	1.25	.96	.87	.80
31VF401	D	10K	1.25	.96	.87	.80
31VF405	D	50K	1.25	.96	.87	.80
31VF501	D	100K	1.25	.96	.87	.80
31VF503	D	250K	1.25	.96	.87	.80
31VF505	D	500K	1.25	.96	.87	.80
31VF601	D	1 Meg	1.25	.96	.87	.80
31VF602	D	2 Meg	1.25	.96	.87	.80

Dual Ganged Linear Taper, (.335") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VW205	E	500	2.35	1.96	1.78	1.62
31VW301	E	1K	2.35	1.96	1.78	1.62
31VW305	E	5K	2.35	1.96	1.78	1.62
31VW401	E	10K	2.35	1.96	1.78	1.62
31VW405	E	50K	2.35	1.96	1.78	1.62
31VW501	E	100K	2.35	1.96	1.78	1.62
31VW503	E	250K	2.35	1.96	1.78	1.62
31VW505	E	500K	2.35	1.96	1.78	1.62
31VW601	E	1 Meg	2.35	1.96	1.78	1.62

Dual Ganged Audio Taper, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	1.62
313-2420-1K	E	1K	2.35	1.96	1.78	1.62
313-2420-5K	E	5K	2.35	1.96	1.78	1.62
313-2420-10K	E	10K	2.35	1.96	1.78	1.62
313-2420-50K	E	50K	2.35	1.96	1.78	1.62
313-2420-100K	E	100K	2.35	1.96	1.78	1.62
313-2420-250K	E	250K	2.35	1.96	1.78	1.62
313-2420-500K	E	500K	2.35	1.96	1.78	1.62
313-2420-1M	E	1Meg	2.35	1.96	1.78	1.62

PCB TERMINALS

Linear Taper, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	.81
31VQ205	F	500	1.27	.98	.89	.81
31VQ301	F	1K	1.27	.98	.89	.81
31VQ305	F	5K	1.27	.98	.89	.81
31VQ401	F	10K	1.27	.98	.89	.81
31VQ403	F	25K	1.27	.98	.89	.81
31VQ405	F	50K	1.27	.98	.89	.81
31VQ501	F	100K	1.27	.98	.89	.81
31VQ503	F	250K	1.27	.98	.89	.81
31VQ505	F	500K	1.27	.98	.89	.81
31VQ601	F	1 Meg	1.27	.98	.89	.81

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
314-1410-Value	G	1K, 5K, 10K, 50K, 100K, 200K, 500K, 1M	1.25	.96	.87

SOLDER LUGS CARBON FILM

Linear Taper .25 Watt. +15 / -10% Tolerance (.393") Shaft Length

• Sealed for Long Life

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31YN205	H	500	7.68	6.40	5.82	5.29
31YN301	H	1K	7.68	6.40	5.82	5.29
31YN305	H	5K	7.68	6.40	5.82	5.29
31YN401	H	10K	7.68	6.40	5.82	5.29
31YN405	H	50K	7.68	6.40	5.82	5.29
31YN501	H	100K	7.68	6.40	5.82	5.29

SOLDER LUGS WIREWOUND

Linear Taper 5 Watt

- Rotation angle: 300° ±5°
- Rotation torque: 30-300gf/cm
- Rated wattage: 5W
- End stop strength: 6Kg/gf/cm

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	2.28
313-2401-5	I	5	3.31	2.76	2.50	2.28
313-2401-10	I	10	3.31	2.76	2.50	2.28
313-2401-20	I	20	3.31	2.76	2.50	2.28
313-2401-50	I	50	3.31	2.76	2.50	2.28
313-2401-100	I	100	3.31	2.76	2.50	2.28
313-2401-500	I	500	3.31	2.76	2.50	2.28
313-2401-1K	I	1K	3.31	2.76	2.50	2.28
313-2401-2K	I	2K	3.31	2.76	2.50	2.28

DIMENSIONS (IN.)

One hex nut and one washer are included with each potentiometer.

If needed, additional hardware is available.

Knobs are found in the knob pages of the electromechanical section.

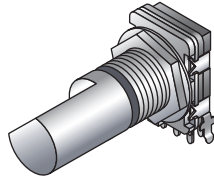
Xicon / Alpha Rotary Encoders and Slide Potentiometers



ROTARY ENCODERS

Shaft rotational:	Signal:	Output:
C.W.	A (Terminal A-C)	
	B (Terminal B-C)	

L	15	20	25
F	7	12	12



Knobs are found in the knob pages of the Electromechanical section.

Specifications	ENC111	ENC160
Rating	5VDC, 10mA	5VDC, 0.5mA
Max. operating current	10mA	0.5mA
Insulation resistance	300VDC	50VDC
Voltage	100MΩ min.	10MΩ min.
Resolution	300VAC	50VAC
	20/360°	24/360°

Specifications:

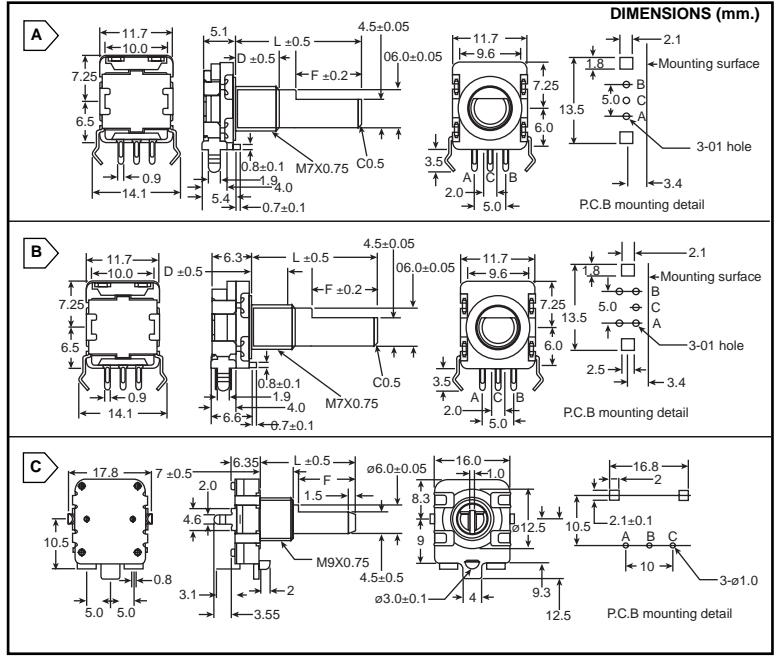
- Rotational life: 15,000 cycles
- Electrical characteristics
- Sliding noise: V1=V2-1V max

Push-on Switch Specifications:

- Switch: Single pole and single throw (push on)
- Travel: 0.5±0.3
- Operating force: 600±300gf
- Contact resistance: D.C. 16V 3A 100MΩ
- Operating life: 25,000 cycles min

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Detent	Shaft Rotational Direction	Case Size	Switch	Price Each			
						1	10	25	100
318-ENC111-20P	A	20	C.W.	11 mm	N	2.45	1.99	1.84	1.75
318-ENC111-20PS	B	20	C.W.	11 mm	Y	4.99	4.05	3.49	2.50
318-ENC160-24P	C	24	C.W.	16 mm	N	2.40	1.82	1.65	1.50

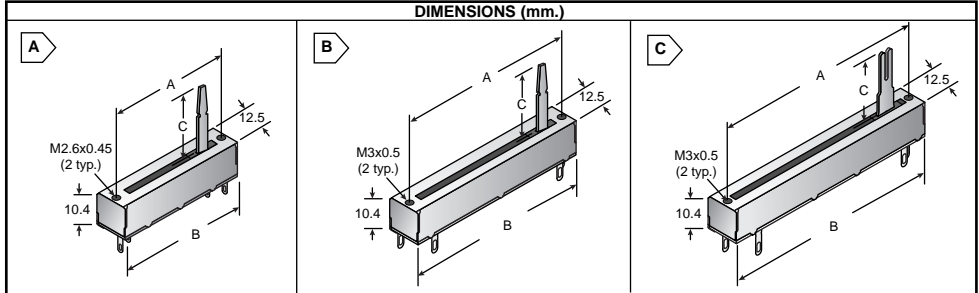


Potentiometers

Xicon

SLIDE POTENTIOMETERS

KNOBS FOR SLIDE POTENTIOMETERS	
This is a cross reference to show which knob will fit on which slide potentiometer.	
Potentiometer Part No.	Knob Part No.
312-9000-value	450-155, 450-0156
312-9100-value	450-3051, & 450-3052
312-9301-value	450-0156, & 450-3051
312-9401-value	450-3052, & 45KN151
312-9201-value	450-0155, 450-0156
312-9302-value	450-3051, 450-3052, & 45KN151
The following potentiometers do not require a knob:	
312-319A-value, 312-619A-value, 312-319B-value	
312-619B-value, & 312-9500-value	



All slide potentiometers contain quality carbon composition elements for long life and noise-free operation.

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stock Values (Ω) Other Values Available on Request	Watts	Insulation Resistance @ 500VDC	Withstanding Voltage For 1 Minute	Lever Travel	Dimensions (mm.)			Price Each			
							A	B	C	1	10	100	500
Audio Taper													
312-9000-Value	A	1K, 5K, 10K, 50K, 100K	0.1	50MΩ	300VAC	30	45	50.2	20	1.18	.91	.83	.75
Linear Taper													
312-9100-Value	A	500, 1K, 5K, 10K, 25K, 50K, 100K	0.2	50MΩ	300VAC	30	45	50.2	20	1.18	.91	.83	.75
312-9201-Value	B	1K, 5K, 10K, 20K, 50K, 100K, 500K, 1M	0.25	100MΩ	500VAC	45	65	73	20	1.39	1.16	1.06	.96
312-9302-Value	B	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M	0.5	100MΩ	500VAC	60	80	88	20	1.83	1.52	1.39	1.26
312-9301-Value	C	1K, 2K, 5K, 10K, 50K, 100K	0.5	100MΩ	500VAC	60	80	88	15	1.83	1.53	1.40	1.26

SLIDE POTENTIOMETERS WITH COLOR INDICATOR

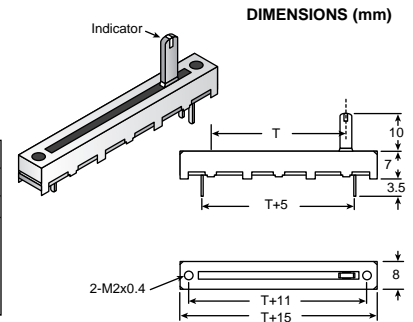
- Watts: .2W
- Slide noise: less than 47mV
- Temperature range: -10°C to +70°C
- PC pins

Stock Items:
White indicator-no knob required
Travel length: 30mm and 60mm
Lever length: 10mm

Options available subject to minimum order requirements:
Indicator colors: black, red, green, orange
Travel length: 20mm and 45mm
Lever length: 15mm and 20mm

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Values (Ω)	T (Travel)	Max. Working Voltage	Withstanding Voltage For 1 Minute	Insulation Resistance @ 500VDC	Price Each			
						1	10	100	500
Audio Taper									
312-319A-Value	5K, 10K, 50K, 100K	30mm	200V	300VAC	50MΩ	1.61	1.24	1.13	1.02
312-619A-Value	5K, 10K, 50K, 100K	60mm	200V	300VAC	50MΩ	1.80	1.39	1.27	1.14
Linear Taper									
312-319B-Value	1K, 5K, 10K, 50K, 100K	30mm	200V	300VAC	50MΩ	1.61	1.24	1.13	1.02
312-619B-Value	1K, 5K, 10K, 50K, 100K	60mm	200V	300VAC	50MΩ	1.80	1.39	1.27	1.14

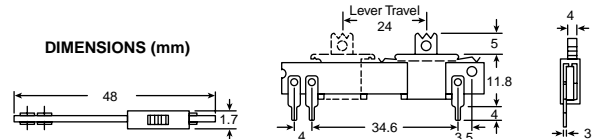
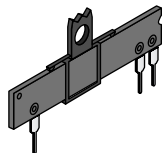


PC MOUNT MINI-SLIDE POTENTIOMETERS

- Tolerance: ±20%
- Slide travel: 20mm
- No knob required
- Breakdown voltage for 1 min.: 250V
- Insulation resistance: 10MΩ @ 250VAC

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Description	Value (Ω)	Price Each			
			1	10	100	500
312-9500-Value	Linear taper	1K, 5K, 10K, 50K, 100K	.97	.75	.68	.62



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

PowerStor® AEROGEL SUPERCAPACITORS

The PowerStor Aerogel Capacitor is a unique, ultra-high capacitance device based on a novel type of carbon foam, known as carbon aerogel. Aerogel capacitors are similar to supercapacitors, ultracapacitors and electrochemical double layer capacitors (EDLC's) with the added benefit of low ESR (Equivalent Series Resistance).

Series A

Specifications:

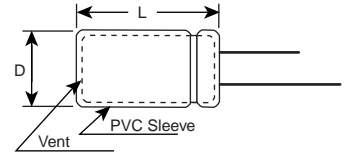
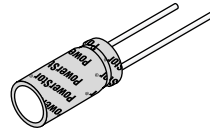
- Surge voltage: 3.0 volts
- Capacitance tolerance: -20% to +80% (20°C)
- Operating temperature range: -25°C to 70°C

Applications:

- Pulse power
- Hold-up power
- DC/DC converters
- Hybrid battery packs
- Valve/solenoid actuation

Features and Benefits:

- Very low ESR
- Low leakage current
- Long cycle life
- High useable capacity
- Very high specific capacitance



For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Cooper Bussmann Part No.	Nominal Capacitance (F)	Voltage	Nominal ECR Measured @ 1kHz (Ω)	Dimensions D x L (mm) ± 0.5	Lead Spacing ± 0.5	Price Each				
							1	50	100	500	1000
504-A0820-2R5474	A0820-2R5474	0.47	2.5	0.150	8.0 x 20.5	3.5	2.20	2.00	1.80	1.36	1.32
504-A1020-2R5105	A1020-2R5105	1	2.5	0.090	10.0 x 21.8	5.0	3.80	3.45	3.11	2.35	2.28
504-A1030-2R5155	A1030-2R5155	1.5	2.5	0.060	10.0 x 31.0	5.0	5.23	4.75	4.27	3.23	3.14
504-A1635-2R5475	A1635-2R5475	4.7	2.5	0.025	16.0 x 37.5	7.5	8.25	7.50	6.75	5.10	4.80

Series B

The PowerStor Aerogel Capacitor is a unique, ultra-high capacitance device based on a novel type of carbon foam, known as carbon aerogel. Aerogel capacitors are similar to supercapacitors, ultracapacitors and electrochemical double layer capacitors (EDLC's) with the added benefit of low ESR (Equivalent Series Resistance).

Specifications:

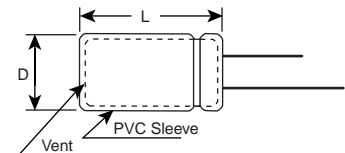
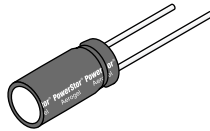
- Surge voltage: 3.0 volts
- Capacitance tolerance: -20% to +80% (20°C)
- Operating temperature range: -25°C to 70°C

Applications:

- Main power
- Hybrid battery packs
- Hold-up power
- Pulse power

Features and Benefits:

- High specific capacitance
- Very low ESR
- Low leakage current
- Long cycle life
- Ultra low ESR also available



For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Cooper Bussmann Part No.	Nominal Capacitance (F)	Voltage	Nominal ECR Measured @ 1kHz (Ω)	Dimensions D x L (mm) ± 0.5	Lead Spacing ± 0.5	Price Each				
							1	50	100	500	1000
504-B0510-2R5224	B0510-2R5224	0.22	2.5	3	5.0 x 11.5	2.0	1.65	1.50	1.35	1.02	0.99
504-B0810-2R5105	B0810-2R5105	1.0	2.5	0.400	8.0 x 13.0	3.5	2.48	2.25	2.03	1.53	1.49
504-B1010-2R5155	B1010-2R5155	1.5	2.5	0.300	10.0 x 13.9	5.0	3.16	2.88	2.59	1.96	1.90
504-B0820-2R5225	B0820-2R5225	2.2	2.5	0.200	8.0 x 20.5	3.5	3.30	3.00	2.70	2.04	1.98
504-B1020-2R5335	B1020-2R5335	3.3	2.5	0.150	10.0 x 21.8	5.0	3.80	3.45	3.11	2.35	2.28
504-B0830-2R5475	B0830-2R5475	4.7	2.5	0.150	8.0 x 30.5	3.5	4.10	3.73	3.35	2.53	2.46
504-B1030-2R5685	B1030-2R5685	6.8	2.5	0.100	10.0 x 31.0	5.0	4.43	4.03	3.62	2.74	2.66
504-B1325-2R5106	B1325-2R5106	10	2.5	0.060	13.0 x 27.9	5.0	5.06	4.60	4.14	3.13	3.04
504-B1635-2R5226	B1625-2R5226	22	2.5	0.040	16.0 x 37.5	7.5	13.17	11.98	10.78	8.14	7.66
504-B1835-2R5336	B1835-2R5336	33	2.5	0.030	18.0 x 37.5	7.5	16.97	15.43	13.88	10.49	10.18
504-B1840-2R5506	B1840-2R5506	50	2.5	0.025	18.0 x 41.5	7.5	21.01	19.10	17.19	12.99	12.22

Series P

The PowerStor Aerogel Capacitor is a unique, ultra-high capacitance device based on a novel type of carbon foam, known as carbon aerogel. Aerogel capacitors are similar to supercapacitors, ultracapacitors, and electrochemical double layer capacitors (EDLCs) with the added benefit of low ESR (Equivalent Series Resistance).

The P Series is available in an ultra-low ESR version, PA or a low ESR but higher energy version, PB.

Specifications:

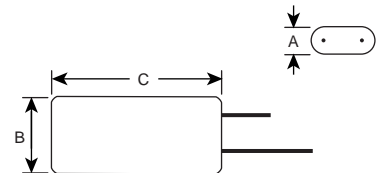
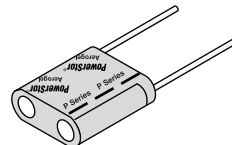
- PA series ultra low ESR
- PB Low ESR with higher energy density
- Capacitance tolerance: -20% to +80% (20°C)

Applications:

- PA series = pulse power
- Bridge or hold up power
- PB series = bridge or hold up power
- Memory backup
- Battery swap out

Features and Benefits:

- Low ESR
- High capacitance
- Low leakage currents



For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Cooper Bussmann Part No.	Nominal Capacitance (F)	Voltage	Nominal ECR Measured @ 1kHz (Ω)	Dimensions A x B x C (mm) ± 0.5	Lead Spacing ± 0.5	Price Each				
							1	50	100	500	1000
504-PB-5R0V104	PB-5R0V104	0.1	5	10	5.5 x 10.8 x 12.5	7.3	1.93	1.75	1.58	1.45	1.22
504-PB-5R0V474	PB-5R0V474	0.47	5	2	8.5 x 16.8 x 12.5	11.8	2.48	2.25	2.03	1.86	1.63
504-PB-5R0V105	PB-5R0V105	1.0	5	1	8.5 x 16.8 x 21.5	11.8	3.47	3.15	2.84	2.53	2.26
504-PA-5R0V224	PA-5R0V224	0.22	5	0.30	8.5 x 16.8 x 21.5	11.8	2.37	2.15	1.94	1.73	1.54
504-PA-5R0V474	PA-5R0V474	0.47	5	0.20	10.5 x 20.8 x 21.5	5.3	4.10	3.73	3.35	2.98	2.66

PowerStor® DESIGN KITS

Cooper Electronics Technologies has developed a series of PowerStor design kits for engineers to experiment with and use to determine the right supercapacitor for their applications

PS-5903: High Power Design Kit for Pulse and Bridge Power Applications

The PS-5903 kit includes all of PowerStor's 2.5V Series A supercapacitors from 0.47 to 4.7F and the 5.0V PA Series supercapacitors from 0.22 to 0.47F

PS-5905: High Energy Design Kit for Bridge, Pulse and Main Power Applications

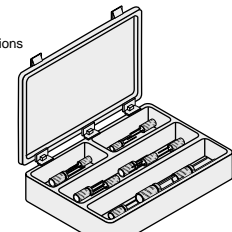
The PS-5905 kit includes the mid range 2.5V Series B supercapacitors from 3.3 to 10F.

PS-5904: High Energy Design Kit for Bridge Power and Memory Backup Applications

The PS-5904 kit includes the lower value 2.5V B Series supercapacitors from 0.22 to 3.3F the 5.0V P Series B supercapacitors from 0.1 to 1.0F

PS-5906: High Energy Design Kit for Main, Bridge and Pulse Power Applications

The PS-5906 kit includes the higher value 2.5V Series B supercapacitors from 22 to 50F



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Cooper Bussmann Part No.	Description	Series	Value Range	Price Each			
					1	2	5	10
504-PS-5903	PS-5903	PS-5903: High Power Design Kit for Pulse and Bridge Power Applications	A Series	0.22 to 4.7F	72.00	64.00	56.00	54.00
504-PS-5904	PS-5904	PS-5904: High Energy Design Kit for Bridge Power and Memory Backup Applications	B Series	0.10 to 3.3F	72.00	64.00	56.00	54.00
504-PS-5905	PS-5905	PS-5905: High Energy Design Kit for Bridge, Pulse and Main Power Applications	B Series	3.3 to 10F	72.00	64.00	56.00	54.00
504-PS-5906	PS-5906	PS-5906: High Energy Design Kit for Main, Bridge and Pulse Power Applications	B Series	22 to 50F	72.00	64.00	56.00	54.00

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Polymer Aluminum and Aluminum Electrolytic Capacitors



CDE CORNELL DUBILIER ULTRA LOW E.S.R., UP TO 3.0 AMP RIPPLE CURRENT AT 100KHZ

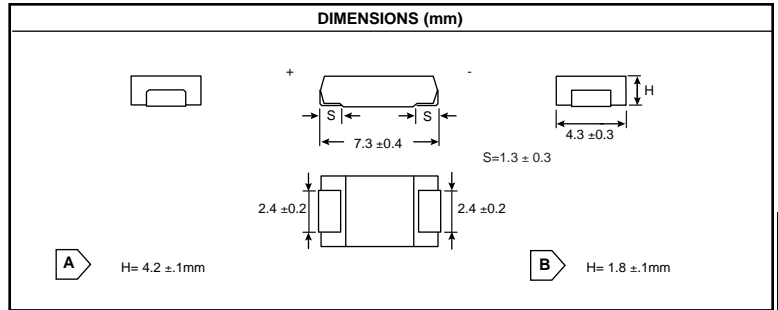
Ideal for applications requiring low e.s.r. at high frequency. One type ESRE or ESRD capacitor provides the lowest impedance at 100kHz and above. A single capacitor can replace multiple parallel tantalum and aluminum capacitors.

Specifications:

- Operating temperature range: -55°C to +105°C
- Surge voltage: 125% of rated voltage
- Capacitance range : 2.2µF to 270µF
- Capacitance tolerance: ±20% @ 120Hz
- DC leakage current: ≤4V; to I ≤ .06CV (µA)
 >4V; to I ≤ .04CV (µA)

Features:

- Lowest e.s.r. - from <10mΩ at 100kHz
- High ripple current rating - up to 3.0 Amps
- Ultra stable - no change in imp. & e.s.r. from -55°C to +105°C
- Best high frequency filtering performance - 100KHz and up
- Reduced parts count - replaces three or more tantalum caps
- Delivers more energy and higher peak current to a load faster
- Ideal input and output cap. for "Buck" switching regulators
- Inherently more reliable, and ignition free

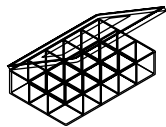


Reel quantities start at 2000 pcs for ESRE and 3500pcs for ESRD.

MOUSER STOCK NO.	CDE Part Number	Impedance at 400kHz	Ripple Current at 400kHz	Fig.	WVDC	Value (µF)	Price Each		
							1	10	100
ESRE									
5987-2V270E	ESRE271M02B	.006Ω	3.0 Arms	A	2	270	3.57	3.27	2.68
5987-4V180E	ESRE181M04B	.011Ω	3.0 Arms	A	4	180	3.57	3.27	2.68
5987-6.3V150E	ESRE151M06B	.012Ω	3.0 Arms	A	6.3	150	3.57	3.27	2.68
5987-8V100E	ESRE101M08B	.015Ω	3.0 Arms	A	8	100	3.57	3.27	2.68
ESRD									
5987-4V56D	ESRD560M04B	.013Ω	1.6 Arms	B	4	56	1.32	1.21	.99
5987-6.3V33D	ESRD330M06B	.018Ω	1.6 Arms	B	6.3	33	1.26	1.16	.95
5987-6.3V47D	ESRD470M06B	.014Ω	1.6 Arms	B	6.3	47	1.32	1.21	.99
5987-8V22D	ESRD220M08B	.021Ω	1.6 Arms	B	8	22	1.26	1.16	.95
5987-8V33D	ESRD330M08B	.017Ω	1.6 Arms	B	8	33	1.32	1.21	.99
5987-12.5V10D	ESRD100M12B	.040Ω	1.0 Arms	B	12.5	10	1.20	1.10	.90
5987-12.5V22D	ESRD220M12B	.022Ω	1.6 Arms	B	12.5	22	1.32	1.21	.99
5987-16V6.8D	ESRD6.8M16B	.071Ω	1.0 Arms	B	16	6.8	1.26	1.16	.95
5987-16V8.2D	ESRD8.2M16B	.054Ω	1.0 Arms	B	16	8.2	1.32	1.21	.99

CDE CORNELL DUBILIER ENGINEERING DESIGNERS KITS

- Keyed for easy use

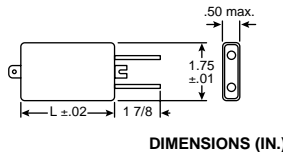
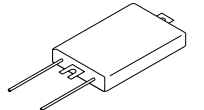


MOUSER STOCK NO.	Quantity	Type	Value (µF)	Price Each
5987-ESRE-KIT1	6 pieces of each value, 24 pieces total	ESRE 2V ± 20%	270	62.50
		ESRE 4V ± 20%	180	
		ESRE 6.3V ± 20%	150	
		ESRE 8V ± 20%	100	
5987-ESRD-KIT6	6 pieces of each value, 30 pieces total	ESRD 4V ± 20%	56	33.75
		ESRD 6.3V ± 20%	47	
		ESRD 8V ± 20%	33	
		ESRD 12.5V ± 20%	22	
		ESRD 16V ± 20%	8.2	

CDE CORNELL DUBILIER FLATPACK ALUMINUM ELECTROLYTIC CAPACITORS

Features:

- Height: < 1/2"
- Capacitance: 220-20,000µF
- Voltage: 25-300VDC
- Operates: -55°C to 85°C for ≤250V, -40°C to 85°C for >250V
- 2,000-Hour life test: 85°C
- Type MLP delivers 25 joules of energy storage in a 1/2" height with 50 years life @ +45°C
- Can readily heat sink to double the ripple-current capability



Type MLP:

- Military
- Telecom
- Computer power supply modules
- Circuit cards

For quantities of 50 and up, call for quote.

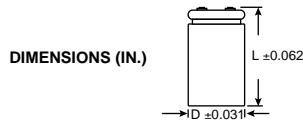
MOUSER STOCK NO.	CDE Part Number	WVDC	Value (µF)	Length (in.)	Price Each		
					1	10	25
5987-25V203	MLP203M025EB1A	25	20000	3	61.50	50.72	46.70
5987-50V442	MLP442M050EK1A	50	4400	1.5	48.58	40.48	37.37
5987-50V113	MLP113M050EB1A	50	11000	3	61.50	50.72	46.70
5987-63V-222	MLP222M063EK1A	63	2200	1.5	48.58	40.48	37.37
5987-80V332	MLP332M080EB1A	80	3300	3	61.50	50.72	46.70
5987-200V102	MLP102M200EB1A	200	1000	3	61.50	50.72	46.70
5987-250V821	MLP821M250EB1A	250	820	3	61.50	50.72	46.70
5987-400V301	MLP301M400EB1A	400	300	3.3	64.97	54.19	50.17
5987-450V281	MLP281M450EB0A	450	280	3	64.97	54.19	50.17

CDE CORNELL DUBILIER HIGH CAPACITANCE COMPUTER GRADE TYPE DCMC-MAXIMUM CAPACITANCE SERIES

Designed for high capacitance and small size.

Specifications:

- Tolerance: <200VDC = -10 to +75%
 ≥200VDC = -10 to +50%
- Temperature range: -40°C to 85°C
- 2000 hours full-ripple 85°C life test, any orientation
- Extended cathode foil assures high ripple current capability
- Voltage range: 1.0VDC to 450VDC



For quantities of 10 and up, call for quote.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	WVDC	Value (µF)	Case DxL (in.)	Price Each	
					1	5
598-DCMC16V213	DCMC213U016AK2B	16	21,000	1.375 x 1.625	9.98	9.58
598-DCMC16V623	DCMC623U016AB2B	16	62,000	1.375 x 3.125	14.35	13.78

MOUSER STOCK NO.	CDE Part Number	WVDC	Value (µF)	Case DxL (in.)	Price Each	
					1	5
598-DCMC16V903	DCMC903U016AC2B	16	90,000	1.375 x 4.125	17.83	17.11
598-DCMC16V204	DCMC204U016BC2B	16	200,000	2.000 x 4.125	32.50	31.20
598-DCMC25V333	DCMC333U025AB2B	25	33,000	1.375 x 3.125	13.55	13.01
598-DCMC25V523	DCMC523U025AC2B	25	52,000	1.375 x 4.125	17.45	16.75
598-DCMC25V124	DCMC124U025BC2B	25	120,000	2.000 x 4.125	32.50	31.20
598-DCMC50V123	DCMC123U050AH2B	50	12,000	1.375 x 2.625	12.40	11.90
598-DCMC50V263	DCMC263U050AC2B	50	26,000	1.375 x 4.125	18.43	17.69
598-DCMC100V203	DCMC203U100BC2B	100	20,000	2.000 x 4.125	38.00	36.48
598-DCMC250V472	DCMC472T250BC2B	250	4,700	2.000 x 4.125	39.58	37.99
598-DCMC450V471	DCMC471T450AB2B	450	470	1.375 x 3.125	17.15	16.46

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

CORNELL DUBILIER ALUMINUM ELECTROLYTICS

85°C

AVS Series

Features:

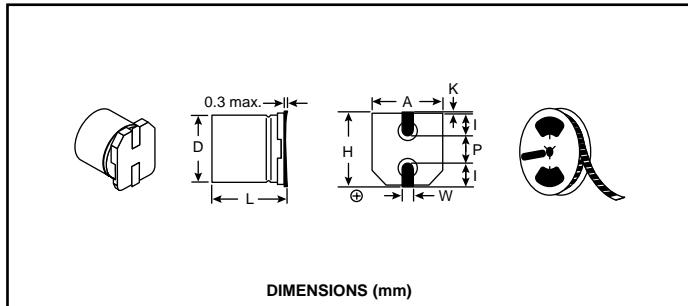
- Best value for filter and bypass applications not requiring wide temperature or high ripple current
- AVS series offers significant cost savings over tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: ± 20%
- Temperature range: -40°C to +85°C
- Life test: 2,000 hours @ +85°C
- Load life: +85°C, 2000 hours
- Capacitance range: 0.1µF to 1000µF
- Voltage range: 10VDC to 100VDC

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.



Aluminum Capacitors

Cornell Dubilier

Cross Reference			
CDE Series	NIC Series	Tecate Series	Panasonic Series
AEB	NACVF	MXLH	EEV-EB
AFK	NACK	MXZZ	EEV-FK
AHD	NACHL	MXWX	EEV-HD
AVS	NACE	MXM	ECE-V(A)S
SPV	NSPV		EEF-WA

Case Code	Qty. Per Reel	D±0.5	L	A	H (max.)	I (ref.)	W	P (ref.)	K
A	2000	3.0	5.4	3.3	4.5	1.5	0.55	-	0.35
B	2000	4.0	5.4	4.3	5.5	1.8	0.65	1.0	0.35
C	1000	5.0	5.4	5.3	6.5	2.2	0.65	1.5	0.35
D	1000	6.3	5.4	6.6	7.8	2.4	0.65	2.2	0.35
E	1000	8.0	6.2	8.3	9.5	3.4	0.65	2.2	0.35
F	500	8.0	10.2	8.3	10.0	3.4	0.90	3.2	0.70
G	500	10.0	10.2	10.3	13.0	3.5	0.90	4.6	0.70

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Code	ESR (Ω) (max) 20°C/120Hz	Ripple (mA rms) 85°C/120Hz	Price Each				Tape and Reel	
						1	50	100	500	Qty.	Price Ea.
10 Volt											
5985-AVS10V470	AVS477M10F24T	470	F	0.92	400	.55	.49	.43	.37	500	.37
5985-AVS10V1000	AVS108M10G24T	1,000	G	0.43	580	.63	.56	.49	.42	500	.23
16 Volt											
5985-AVS16V10A	AVS106M16A12T	10	A	29.9	20	.22	.20	.17	.15	2000	.08
5985-AVS16V10	AVS106M16B12T	10	B	26.5	28	.19	.17	.15	.13	2000	.07
5985-AVS16V22	AVS226M16B12T	22	B	19.6	28	.20	.18	.16	.14	2000	.07
5985-AVS16V33	AVS336M16C12T	33	C	13.1	35	.24	.21	.19	.16	1000	.13
5985-AVS16V47	AVS476M16C12T	47	C	9.2	39	.24	.21	.19	.16	1000	.13
5985-AVS16V100	AVS107M16D16T	100	D	4.3	70	.32	.28	.25	.21	1000	.18
5985-AVS16V220	AVS227M16F24T	220	F	1.5	280	.52	.46	.41	.35	500	.35
5985-AVS16V330	AVS337M16F24T	330	F	1	320	.52	.46	.41	.35	500	.35
5985-AVS16V470	AVS477M16G24T	470	G	0.71	420	.63	.56	.49	.42	500	.42
25 Volt											
5985-AVS25V10	AVS106M25C12T	10	C	23.2	28	.23	.21	.18	.16	1000	.13
5985-AVS25V22	AVS226M25D16T	22	D	10.6	55	.27	.24	.21	.18	1000	.15
5985-AVS25V47	AVS476M25D16T	47	D	7.1	70	.36	.32	.28	.24	1000	.20
5985-AVS25V100	AVS107M25E16T	100	E	2.7	91	.43	.38	.33	.29	1000	.24
5985-AVS25V220	AVS227M25F24T	220	F	1.2	140	.67	.60	.52	.45	500	.45
5985-AVS25V330	AVS337M25G24T	330	G	0.08	340	.69	.62	.54	.46	500	.46
5985-AVS25V470	AVS477M25G24T	470	G	0.06	360	.74	.66	.57	.49	500	.49
35 Volt											
5985-AVS35V2.2	AVS225M35A12T	2.2	A	105.6	8	.23	.21	.18	.16	2000	.09
5985-AVS35V4.7	AVS475M35B12T	4.7	B	42.4	22	.21	.18	.16	.14	2000	.12
5985-AVS35V10	AVS106M35C12T	10	C	19.9	30	.24	.22	.19	.16	1000	.14
5985-AVS35V22	AVS226M35D16T	22	D	9.1	60	.32	.28	.25	.21	1000	.18
5985-AVS35V33	AVS336M35D16T	33	D	8	60	.40	.36	.31	.27	1000	.22
5985-AVS35V47	AVS476M35E16T	47	E	4.9	165	.37	.33	.29	.25	1000	.21
5985-AVS35V100	AVS107M35F24T	100	F	2.3	140	.63	.56	.49	.42	500	.42
5985-AVS35V220	AVS227M35G24T	220	G	1.1	310	.69	.62	.54	.46	500	.46
50 Volt											
5985-AVS50V0.1	AVS104M50B12T	0.1	B	1990	1	.19	.17	.15	.13	2000	.07
5985-AVS50V0.22	AVS224M50B12T	0.22	B	905	2	.19	.17	.15	.13	2000	.07
5985-AVS50V0.33	AVS334M50B12T	0.33	B	603	3	.19	.17	.15	.13	2000	.07
5985-AVS50V0.47	AVS474M50B12T	0.47	B	424	5	.19	.17	.15	.13	2000	.07
5985-AVS50V1.0	AVS105M50B12T	1.0	B	199	10	.19	.17	.15	.13	2000	.07
5985-AVS50V2.2	AVS225M50B12T	2.2	B	90.5	16	.19	.17	.15	.13	2000	.07
5985-AVS50V3.3	AVS335M50B12T	3.3	B	60.3	16	.19	.17	.15	.13	2000	.07
5985-AVS50V4.7	AVS475M50C12T	4.7	C	42.2	23	.22	.20	.17	.15	1000	.08
5985-AVS50V10	AVS106M50D16T	10	D	19.9	35	.27	.24	.21	.18	1000	.15
5985-AVS50V22	AVS226M50D16T	22	D	10.6	60	.34	.30	.27	.23	1000	.19
5985-AVS50V100	AVS107M50F24T	100	F	2.0	200	.59	.53	.46	.39	500	.39
5985-AVS50V220	AVS227M50G24T	220	G	0.9	300	.74	.66	.57	.49	500	.49
63 Volt											
5985-AVS63V10	AVS106M63D16T	10	D	29.9	35	.32	.29	.25	.22	1000	.18
5985-AVS63V22	AVS226M63F24T	22	F	13.6	40	.57	.51	.44	.38	500	.38
5985-AVS63V33	AVS336M63F24T	33	F	9.1	45	.57	.51	.44	.38	500	.38
5985-AVS63V47	AVS476M63F24T	47	F	6.4	45	.59	.52	.46	.39	500	.46
5985-AVS63V100	AVS107M63G24T	100	G	3	60	.69	.62	.54	.46	500	.46
100 Volt											
5985-AVS100V3.3	AVS335M2AE16T	3.3	F	90.4	50	.46	.41	.36	.31	1000	.26
5985-AVS100V4.7	AVS475M2AF24T	4.7	F	63.5	50	.57	.51	.44	.38	500	.38
5985-AVS100V10	AVS106M2AF24T	10	F	29.8	85	.57	.51	.44	.38	500	.38
5985-AVS100V22	AVS226M2AG24T	22	G	13.6	90	.69	.62	.54	.46	500	.46
5985-AVS100V33	AVS336M2AG24T	33	G	8	90	.69	.62	.54	.46	500	.46

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

CORNELL DUBILIER ALUMINUM ELECTROLYTICS LONG LIFE 105°C

AHD Series

Features:

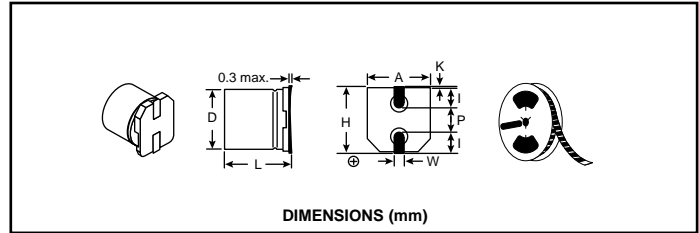
- Offers up to 5000 hour load life capability in small case sizes that are typically limited to only 1000 to 2000 hours
- While the AHD series is not low impedance, it is the choice for long life in small capacitance, general filtering applications
- AHD series offers significant cost savings over tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: ± 20%
- Temperature range: -40°C to +105°C
- Capacitance range: .47uF to 330uF
- Voltage range: 10VDC to 100VDC
- Load life: 5000 hours @ +105°C

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.



DIMENSIONS (mm)

Cross Reference			
CDE Series	NIC Series	Tecate Series	Panasonic Series
AEB	NACVF	MXLH	EEV-EB
AFK	NACK	MXZZ	EEV-FK
AHD	NACHL	MXWX	EEV-HD
AVS	NACE	MXM	ECE-V(A)S
SPV	NSPV		EEF-WA

Case Code	Qty. Per Reel	D±0.5	L±0.5	A±0.5	H (max.)	I (ref.)	W	P (ref.)	K
B	2000	4.0	5.8	4.3	5.5	1.8	0.65±0.1	1.0	0.35
C	1000	5.0	5.8	5.3	6.5	2.2	0.65±0.1	1.5	0.35
D	1000	6.3	5.8	6.6	7.8	2.4	0.65±0.1	1.8	0.35
E	1000	8.0	6.2	8.3	9.5	3.4	0.65±0.1	2.2	0.35
F	500	8.0	10.2	8.3	10.0	3.4	0.90±0.2	3.2	0.70
G	500	10.0	10.2	10.3	13.0	3.5	0.90±0.2	4.6	0.70

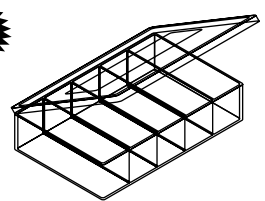
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Code	ESR (Ω) (max) 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Price Each				Tape and Reel	
						1	50	100	500	Qty.	Price Ea.
10 Volt											
5985-AHD10V100	AHD107M10E16T	100	E	2.0	62	.74	.58	.52	.37	1000	.26
5985-AHD10V220	AHD227M10F24T	220	F	1.5	93	.95	.76	.66	.48	500	.48
5985-AHD10V330	AHD337M10G24T	330	G	0.8	118	1.12	.89	.78	.56	500	.56
16 Volt											
5985-AHD16V10	AHD106M16B12T	10	B	12.0	20	.34	.27	.24	.17	2000	.11
5985-AHD16V22	AHD226M16C12T	22	C	7.2	33	.39	.31	.27	.20	1000	.14
5985-AHD16V47	AHD476M16D16T	47	D	4.0	55	.46	.34	.32	.23	1000	.16
5985-AHD16V100	AHD107M16F24T	100	F	1.5	89	.95	.76	.66	.48	500	.48
5985-AHD16V220	AHD227M16G24T	220	G	0.8	113	1.12	.89	.78	.56	500	.56
25 Volt											
5985-AHD25V4.7	AHD475M25B12T	4.7	B	12.0	15	.34	.27	.24	.17	2000	.11
5985-AHD25V10	AHD106M25C12T	10	C	7.2	26	.39	.31	.27	.20	1000	.14
5985-AHD25V22	AHD226M25D16T	22	D	4.0	42	.46	.34	.32	.23	1000	.16
5985-AHD25V33	AHD336M25D16T	33	D	4.0	52	.46	.34	.32	.23	1000	.16
5985-AHD25V47	AHD476M25E16T	47	E	2.0	56	.74	.58	.52	.37	1000	.26
5985-AHD25V100	AHD107M25F24T	100	F	1.5	84	.95	.76	.66	.48	500	.48
35 Volt											
5985-AHD35V4.7	AHD475M35B12T	4.7	B	12.0	17	.34	.27	.24	.17	2000	.11
5985-AHD35V10	AHD106M35C12T	10	C	7.2	28	.39	.31	.27	.20	1000	.14
5985-AHD35V22	AHD226M35D16T	22	D	4.0	47	.95	.76	.66	.48	1000	.34
5985-AHD35V33	AHD336M35E16T	33	E	2.0	53	.74	.58	.52	.37	1000	.26
5985-AHD35V47	AHD476M35F24T	47	F	1.5	79	.95	.76	.66	.48	500	.48
5985-AHD35V100	AHD107M35G24T	100	G	0.8	101	1.12	.89	.78	.56	500	.56
50 Volt											
5985-AHD50V.47	AHD474M50B12T	0.47	B	12.0	5	.34	.27	.24	.17	2000	.11
5985-AHD50V1.0	AHD105M50B12T	1.0	B	12.0	7	.34	.27	.24	.17	2000	.11
5985-AHD50V2.2	AHD225M50B12T	2.2	B	12.0	12	.34	.27	.24	.17	2000	.11
5985-AHD50V3.3	AHD335M50B12T	3.3	B	12.0	16	.34	.27	.24	.17	2000	.11
5985-AHD50V4.7	AHD475M50C12T	4.7	C	7.2	21	.39	.31	.27	.20	1000	.14
5985-AHD50V10	AHD106M50D16T	10	D	4.0	33	.46	.34	.32	.23	1000	.16
5985-AHD50V22	AHD226M50E16T	22	E	2.0	50	.74	.58	.52	.37	1000	.26
5985-AHD50V33	AHD336M50F24T	33	F	1.5	74	.95	.76	.66	.48	500	.48
5985-AHD50V47	AHD476M50G24T	47	G	0.8	94	1.12	.89	.78	.56	500	.56
63 Volt											
5985-AHD63V10	AHD106M63E16T	10	E	2.0	45	.74	.58	.52	.37	1000	.26
5985-AHD63V22	AHD226M63F24T	22	F	1.5	65	.95	.76	.66	.48	500	.48
5985-AHD63V33	AHD336M63G24T	33	G	0.8	80	1.12	.89	.78	.56	500	.56
100 Volt											
5985-AHD100V3.3	AHD335M2AE16T	3.3	E	2.0	30	.74	.58	.52	.37	1000	.26
5985-AHD100V4.7	AHD475M2AF24T	4.7	F	1.5	50	.95	.76	.66	.48	500	.48
5985-AHD100V10	AHD106M2AF24T	10	F	1.5	55	.95	.76	.66	.48	500	.48
5985-AHD100V22	AHD226M2AG24T	22	G	0.8	70	1.12	.89	.78	.56	500	.56

Aluminum Capacitors
Cornell Dubilier

CORNELL DUBILIER SMD ALUMINUM ELECTROLYTIC EVALUATION KITS

Cornell Dubilier Electronics has created these SMD Evaluation kits for engineers experiment with and use to determine and design in the proper capacitor for the application. These kits offer a variety of values and voltages for their more popular series.



MOUSER STOCK NO.	Description	Price Each
Mfr.	Mfr. Part No.	
AVS Series, General Purpose, 85°C		
5985 - AVS-KIT1	This kit includes 10 pieces each of 17 popular ratings, 170 pieces total. Capacitance range from .1uF to 1000uF in the popular voltage ratings of 10, 16, and 50 volts dc are included in this kit.	39.50
AFK Series, Low ESR, 105°C		
5985 - AFK-KIT1	This kit includes 10 pieces each of 6 values and 6 pieces each of 4 values, 84 pieces total. Values range from 3.3uF to 470uF in 80 volts dc.	49.50
5985 - AFK-KIT2	This kit includes 10 pieces each of 13 values and 6 pieces each of 9 values, 184 pieces total. Values range from 10uF to 6800uF in 10, 25, and 100 volts dc.	90.50
5985 - AFK-KIT3	This kit includes 10 pieces each of 8 different values, 80 pieces total. Values range from 22uF to 330uF in 100 volts dc.	71.50
AEB Series, High Voltage, 105°C		
5985 - AEB-KIT1	This kit includes 6 pieces each of 5 values, 30 pieces total. Values range from 10uF to 100uF in 200 volts dc and 250 volts dc.	39.50
5985 - AEB-KIT2	This kit includes 6 pieces each of 5 values, 30 pieces total. Values range from 2.2uF to 33uF in 400 volts dc and 450 volts dc.	39.50
SPV Series, Solid Aluminum Polymer, Ultra low ESR, 105°C		
5985 - SPV-KIT1	This kit includes 6 pieces each of 8 values, 48 pieces total. Values range from 22uF to 680uF in standard voltage ratings of 6.3, 10, 16, 20, and 25 volts dc.	49.50

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

CORNELL DUBILIER ALUMINUM ELECTROLYTIC, 105°, HIGH VOLTAGE

AEB Series

- Features:**
- High voltage applications include input bus capacitors in board mounted miniature AC/DC power supplies
 - Ideal for power supply input and other high voltage applications due to low impedance ratings up to 450 VDC
 - Vertical case style make automatic mounting and reflow soldering easy
 - Long life

Specifications:

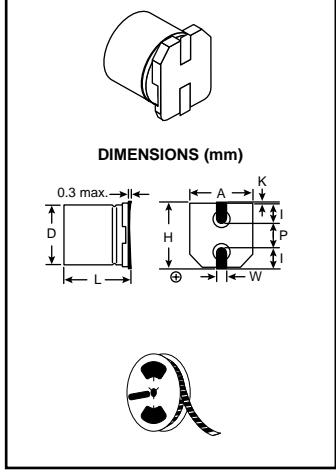
- Capacitance tolerance: ± 20%
- Temperature range: -20° C to +105° C
- Capacitance range: 2.2uF to 100uF
- Voltage range: 160VDC to 450VDC
- Load life: 3000 hours @ +105° C J Case
4000 hours @ +105° C K Case
5000 hours @ +105° C L-S Cases

Cross Reference			
CDE	NIC	Tecate	Panasonic
AEB	NACVF	MXLH	EEV-EB
AFK	NACK	MXZZ	EEV-FK
AHD	NACHL	MXWX	EEV-HD
AVS	NACE	MXM	ECE-V
SPV	NSPV		EEF-WA

Case Code	Qty. Per Reel	D±0.5	L±0.5	A±0.5	H (max.)	I (ref.)	W	P (ref.)	K
J	250	10	13.5	10.3	12	3.5	0.9±0.2	4.6	0.7±0.2
K	200	10	17.5	10.3	12	3.5	0.9±0.2	4.6	0.7±0.2
L	150	12.5	16.5	13.5	15	4.7	0.9±0.3	4.4	0.7±0.3
P	125	16	16.5	17	19	6.7	1.2±0.3	6.7	0.7±0.3
R	125	18	16.5	19	21	6.7	1.2±0.3	6.7	0.7±0.3
S	75	18	21.5	19	21	6.7	1.2±0.3	6.7	0.7±0.3
U	75	16	21.5	17	19	6.7	1.2±0.3	6.7	0.7±0.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Code	Imp. (Ω) (max) 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Price Each				Tape and Reel	
						1	10	25	Qty.	Price Ea.	
160 Volt											
5985-AEB160V10	AEB106M2CJ32T	10	J	3.00	70	1.40	1.17	1.09	250	.50	
5985-AEB160V33	AEB336M2CL32T	33	L	1.80	470	2.31	1.93	1.80	150	1.54	
5985-AEB160V47	AEB476M2CP44T	47	P	1.40	600	2.82	2.35	2.19	125	1.88	
5985-AEB160V68A	AEB686M2CR44T	68	R	0.80	750	3.21	2.65	2.46	125	2.27	
5985-AEB160V68	AEB686M2CU44T	68	U	0.55	750	3.21	2.65	2.46	75	2.27	
5985-AEB160V100	AEB107M2CS44T	100	S	0.50	1060	3.83	3.17	2.94	75	2.71	
200 Volt											
5985-AEB200V22	AEB226M2DL32T	22	L	1.80	470	2.31	1.93	1.80	150	1.54	
5985-AEB200V33	AEB336M2DP44T	33	P	1.40	600	2.82	2.35	2.19	125	1.88	
5985-AEB200V47	AEB476M2DR44T	47	R	0.80	600	3.21	2.65	2.46	125	2.27	
5985-AEB200V68	AEB686M2DU44T	68	U	0.55	750	3.21	2.65	2.46	75	2.27	
5985-AEB200V100	AEB107M2DS44T	100	S	0.50	1060	3.83	3.17	2.94	75	2.71	
250 Volt											
5985-AEB250V10	AEB106M2EK32T	10	K	2.50	88	1.61	1.34	1.25	200	.56	
5985-AEB250V22	AEB226M2EP44T	22	P	1.60	560	2.82	2.35	2.19	125	1.88	
5985-AEB250V33	AEB336M2ER44T	33	R	0.85	560	3.21	2.65	2.46	125	2.27	
5985-AEB250V47	AEB476M2EU44T	47	U	0.70	710	3.21	2.65	2.46	75	2.27	
5985-AEB250V68	AEB686M2ES44T	68	S	0.60	990	3.83	3.17	2.94	75	2.71	
350 Volt											
5985-AEB350V10	AEB106M2VP44T	10	P	3.20	270	2.82	2.35	2.19	125	1.88	
5985-AEB350V22	AEB226M2VR44T	22	R	1.60	350	3.21	2.65	2.46	125	2.27	
5985-AEB350V33	AEB336M2VU44T	33	U	1.20	480	3.21	2.65	2.46	75	2.27	
5985-AEB350V47	AEB476M2VS44T	47	S	1.00	670	3.83	3.17	2.94	75	2.71	
400 Volt											
5985-AEB400V3.3	AEB335M2GJ32T	3.3	J	8.00	40	1.40	1.17	1.09	250	.50	
5985-AEB400V4.7	AEB475M2GK32T	4.7	K	5.50	50	1.61	1.34	1.25	200	.56	
5985-AEB400V10	AEB106M2GP44T	10	P	3.60	250	2.82	2.35	2.19	125	1.88	
5985-AEB400V22	AEB226M2GU44T	22	U	2.20	410	3.21	2.65	2.46	75	2.27	
5985-AEB400V33	AEB336M2GS44T	33	S	1.20	600	3.83	3.17	2.94	75	2.71	
450 Volt											
5985-AEB450V2.2	AEB225M2WJ32T	2.2	J	11.00	29	1.40	1.17	1.09	250	.50	
5985-AEB450V3.3	AEB335M2WK32T	3.3	K	7.00	41	1.61	1.34	1.25	200	.56	
5985-AEB450V4.7	AEB475M2WK32T	4.7	L	4.80	49	2.31	1.93	1.80	150	.83	
5985-AEB450V10	AEB106M2WR44T	10	R	3.00	310	3.21	2.65	2.46	125	2.27	
5985-AEB450V22	AEB226M2WS44T	22	S	1.80	560	3.83	3.17	2.94	75	2.71	



CORNELL DUBILIER SOLID ALUMINUM POLYMER, SMD

SPV Series

- Features:**
- Ultra-low ESR and high ripple current
 - Stable capacitance and ESR versus temperature
 - Long life—No dry out failure related mechanism
 - Ideal for DC to DC power converters

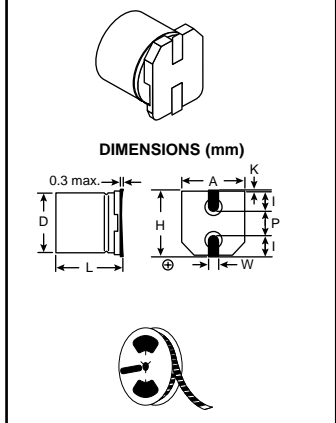
Specifications:

- Capacitance tolerance: ± 20%
- Temperature range: -55° C to +105° C
- Capacitance range: 2.2uF to 680uF
- Voltage range: 6.3VDC to 25VDC
- Load life: 2000 hours @ +105° C

Case Code	Qty. Per Reel	D±0.5	L±0.5	A±0.5	H (max.)	I (ref.)	W	P (ref.)	K
M	1000	8	6.9 + 0.1	8.3	10	3.4	0.9±0.2	3.1	0.05
N	500	10	7.9 + 0.1	10.3	12	3.5	0.9±0.2	4.6	0.05
G	500	10	10.2 ± 0.3	10.3	12	3.5	0.9±0.2	4.6	0.05

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (µF)	Case Code	ESR (Ω) (max) 20°C/100kHz	Ripple (A rms) 105°C/100kHz	Price Each				Tape and Reel	
						1	25	50	100	Qty.	Price Ea.
6.3 Volt											
5985-SPV6.3V150	SPV157M06M24T	150	M	0.035	3.050	2.24	1.79	1.57	1.34	1000	.89
5985-SPV6.3V220	SPV227M06M24T	220	M	0.032	3.050	2.24	1.79	1.57	1.34	1000	.89
5985-SPV6.3V330	SPV337M06N24T	330	N	0.022	4.130	2.80	2.24	1.96	1.68	500	1.40
5985-SPV6.3V390	SPV397M06N24T	390	N	0.022	4.130	2.80	2.24	1.96	1.68	500	1.40
5985-SPV6.3V470	SPV477M06G24T	470	G	0.020	5.100	3.20	2.57	2.24	1.92	500	1.60
5985-SPV6.3V560	SPV567M06G24T	560	G	0.020	5.100	3.20	2.57	2.24	1.92	500	1.60
5985-SPV6.3V680	SPV687M06G24T	680	G	0.015	5.100	3.20	2.57	2.24	1.92	500	1.60
10 Volt											
5985-SPV10V120	SPV127M10M24T	120	M	0.035	2.800	2.24	1.79	1.57	1.34	1000	.89
5985-SPV10V150	SPV157M10M24T	150	M	0.035	2.800	2.24	1.79	1.57	1.34	1000	.89
5985-SPV10V270	SPV277M10N24T	270	N	0.024	3.770	2.80	2.24	1.96	1.68	500	1.40
5985-SPV10V330	SPV337M10G24T	330	G	0.022	4.500	3.20	2.57	2.24	1.92	500	1.60
5985-SPV10V470	SPV477M10G24T	470	G	0.017	4.500	3.20	2.57	2.24	1.92	500	1.60
16 Volt											
5985-SPV16V82	SPV826M16M24T	82	M	0.039	2.500	2.24	1.79	1.57	1.34	1000	.89
5985-SPV16V100	SPV107M16M24T	100	M	0.039	2.500	2.24	1.79	1.57	1.34	1000	.89
5985-SPV16V150	SPV157M16N24T	150	N	0.029	3.430	2.80	2.24	1.96	1.68	500	1.40
5985-SPV16V180	SPV187M16N24T	180	N	0.029	3.430	2.80	2.24	1.96	1.68	500	1.40
5985-SPV16V220	SPV227M16G24T	220	G	0.027	4.100	3.20	2.57	2.24	1.92	500	1.60
5985-SPV16V270	SPV277M16G24T	270	G	0.027	4.100	3.20	2.57	2.24	1.92	500	1.60
5985-SPV16V330	SPV337M16G24T	330	G	0.022	4.100	3.20	2.57	2.24	1.92	500	1.60
20 Volt											
5985-SPV20V47	SPV476M20M24T	47	M	0.050	2.000	2.68	2.15	1.88	1.61	1000	1.08
5985-SPV20V82	SPV826M20N24T	82	N	0.039	2.500	3.36	2.68	2.35	2.02	500	1.68
5985-SPV20V150	SPV157M20G24T	150	G	0.026	3.700	3.84	3.07	2.68	2.30	500	1.92
25 Volt											
5985-SPV25V22	SPV226M25M24T	22	M	0.050	1.600	2.68	2.15	1.88	1.61	1000	1.48
5985-SPV25V33	SPV336M25N24T	33	N	0.039	2.200	3.36	2.68	2.35	2.02	500	1.68
5985-SPV25V82	SPV826M25G24T	82	G	0.030	3.300	3.84	3.07	2.68	2.30	500	1.92



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CORNELL DUBILIER ALUMINUM ELECTROLYTIC, LOW ESR, SMD

AFK Series

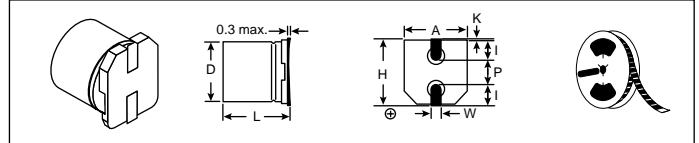
Features:

- Up to a 5000 hour load life capability
- Offers lowest ESR and long life for filtering, bypassing, and power supply decoupling
- With the low impedance performance approaching low ESR tantalum capacitors offers a significant cost savings compared to tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:

- Capacitance tolerance: $\pm 20\%$
- Temperature range: -55°C to $+105^{\circ}\text{C}$
- Capacitance range: 3.3 μF to 6800 μF
- Voltage range: 6.3VDC to 100VDC
- Load life: 2000 hours @ $+105^{\circ}\text{C}$ (4.0-10mm dia)
5000 hours @ $+105^{\circ}\text{C}$ (12.5-18mm dia)

DIMENSIONS (mm)



Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Cross Reference			
CDE	NIC	Tecate	Panasonic
AEB	NACVF	MXLH	EEV-EB
AFK	NACK	MXZZ	EEV-FK
AHD	NACHL	MXWX	EEV-HD
AVS	NACE	MXM	ECE-V
SPV	NSPV	----	EEF-WA

Case Code	Qty. Per Reel	D ± 0.5	L ± 0.5	A ± 0.5	H (max.)	I (ref.)	W	P (ref.)	K
B	2000	4.0	5.8	4.3	5.5	1.8	0.65 ± 0.1	1.0	0.35
C	1000	5.0	5.8	5.3	6.5	2.2	0.65 ± 0.1	1.5	0.35
D	1000	6.3	5.8	6.6	7.8	2.4	0.65 ± 0.1	1.8	0.35
E	1000	8.0	6.2	8.3	9.5	3.4	0.65 ± 0.1	2.2	0.70
F	500	8.0	10.2	8.3	10.0	3.4	0.90 ± 0.2	3.1	0.70
G	500	10.0	10.2	10.3	13.0	3.5	0.90 ± 0.2	4.6	0.70
H	200	12.5	13.5	13.5	15.0	4.7	0.90 ± 0.2	4.4	0.70
P	125	16.0	16.5	17.0	19.0	5.7	1.2 ± 0.3	6.7	0.70
R	125	18.0	16.5	19.0	21.0	6.7	1.2 ± 0.3	6.7	0.70

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case Code	ESR (Ω) (max) 20 $^{\circ}\text{C}/100\text{kHz}$	Ripple (mA rms) 105 $^{\circ}\text{C}/100\text{kHz}$	Price Each				Tape and Reel	
						1	10	25	100	Qty.	Price Ea.
6.3 Volt											
5985-AFK6.3V47	AFK476M06B12T	47	B	1.35	90	.36	.29	.27	.25	2000	.13
5985-AFK6.3V100	AFK107M06D16T	100	D	0.36	240	.48	.38	.36	.33	1000	.17
5985-AFK6.3V330	AFK337M06E16T	330	E	0.26	300	.79	.63	.59	.55	1000	.28
5985-AFK6.3V1000	AFK108M06F24T	1000	F	0.16	600	1.02	.81	.76	.71	500	.39
10 Volt											
5985-AFK10V33	AFK336M10B12T	33	B	1.35	90	.36	.29	.27	.25	2000	.13
5985-AFK10V220	AFK227M10E16T	220	E	0.26	300	.79	.63	.59	.55	1000	.28
5985-AFK10V330	AFK337M10F24T	330	F	0.16	600	1.02	.81	.76	.71	500	.39
5985-AFK10V1000	AFK108M10G24T	1000	G	0.08	850	1.19	.95	.89	.83	500	.45
16 Volt											
5985-AFK16V22	AFK226M16B12T	22	B	1.35	90	.36	.29	.27	.25	2000	.13
5985-AFK16V47	AFK476M16D16T	47	D	0.36	240	.48	.38	.36	.33	1000	.17
5985-AFK16V100	AFK107M16D16T	100	D	0.36	240	.48	.38	.36	.33	1000	.17
5985-AFK16V220	AFK227M16E16T	220	E	0.26	300	.79	.63	.59	.55	1000	.28
5985-AFK16V330	AFK337M16F24T	330	F	0.16	600	1.02	.81	.76	.71	500	.39
5985-AFK16V470	AFK477M16F24T	470	F	0.16	600	1.02	.81	.76	.71	500	.39
5985-AFK16V680	AFK687M16G24T	680	G	0.08	850	1.19	.95	.89	.83	500	.45
25 Volt											
5985-AFK25V10	AFK106M25B12T	10	B	1.35	90	.36	.29	.27	.25	2000	.13
5985-AFK25V33	AFK336M25C12T	33	C	0.7	160	.42	.33	.31	.29	1000	.15
5985-AFK25V47	AFK476M25D16T	47	D	0.36	240	.48	.38	.36	.33	1000	.17
5985-AFK25V100	AFK107M25E16T	100	E	0.26	300	.79	.63	.59	.55	1000	.28
5985-AFK25V220	AFK227M25F24T	220	F	0.16	600	1.02	.81	.76	.71	500	.39
5985-AFK25V470	AFK477M25G24T	470	G	0.08	850	1.19	.95	.89	.83	500	.45
5985-AFK25V1000	AFK108M25H32T	1000	H	0.06	1100	1.95	1.56	1.46	1.36	200	.66
35 Volt											
5985-AFK35V10	AFK106M35B12T	10	B	1.35	90	.36	.29	.27	.25	2000	.13
5985-AFK35V22	AFK226M35C12T	22	C	0.7	160	.42	.33	.31	.29	1000	.15
5985-AFK35V47	AFK476M35D16T	47	D	0.36	240	.48	.38	.36	.33	1000	.17
5985-AFK35V220	AFK227M35F24T	220	F	0.16	600	1.02	.81	.76	.71	500	.39
5985-AFK35V470	AFK477M35H32T	470	H	0.06	1100	1.95	1.56	1.46	1.36	200	.66
50 Volt											
5985-AFK50V4.7	AFK475M50B12T	4.7	B	2.9	60	.38	.30	.28	.26	2000	.14
5985-AFK50V10	AFK106M50C12T	10	C	1.52	85	.44	.35	.33	.31	1000	.16
5985-AFK50V33	AFK336M50E16T	33	E	0.68	195	.83	.66	.62	.58	1000	.30
5985-AFK50V47	AFK476M50E16T	47	E	0.68	195	.83	.66	.62	.58	1000	.30
5985-AFK50V100	AFK107M50F24T	100	F	0.34	350	1.07	.85	.80	.75	500	.40
5985-AFK50V220	AFK227M50G24T	220	G	0.18	670	1.25	1.00	.93	.87	500	.47
5985-AFK50V1000	AFK108M50P44T	1000	P	0.073	1610	3.23	2.58	2.42	-	125	1.10
63 Volt											
5985-AFK63V10	AFK106M63D16T	10	D	1.5	80	.50	.40	.38	.35	1000	.18
5985-AFK63V22	AFK226M63E16T	22	E	1.2	120	.83	.66	.62	.58	1000	.30
5985-AFK63V47	AFK476M63F24T	47	F	0.65	250	1.07	.85	.80	.75	500	.40
5985-AFK63V100	AFK107M63G24T	100	G	0.35	400	1.25	1.00	.93	.87	500	.47
5985-AFK63V220	AFK227M63H32T	220	H	0.16	800	2.04	1.63	1.53	1.43	200	.69
80 Volt											
5985-AFK80V3.3	AFK335M80C12T	3.3	C	5	25	.44	.35	.33	.31	1000	.16
5985-AFK80V10	AFK106M80E16T	10	E	2.4	60	.83	.66	.62	.58	1000	.30
5985-AFK80V33	AFK336M80F24T	33	F	1.3	130	1.07	.85	.80	.75	500	.40
5985-AFK80V47	AFK476M80G24T	47	G	0.7	200	1.25	1.00	.93	.87	500	.47
5985-AFK80V100	AFK107M80H32T	100	H	0.32	500	2.04	1.63	1.53	1.43	200	.69
5985-AFK80V330	AFK337M80P44T	330	P	0.17	793	3.23	2.58	2.42	-	125	1.10
5985-AFK80V470	AFK477M80R44T	470	R	0.153	917	3.92	3.13	2.94	-	125	1.33
100 Volt											
5985-AFK100V22	AFK226M2AF24T	22	F	1.3	130	1.07	.85	.80	.75	500	.40
5985-AFK100V33	AFK336M2AG24T	33	G	0.7	200	1.25	1.00	.93	.87	500	.47
5985-AFK100V47	AFK476M2AH32T	47	H	0.32	500	2.04	1.63	1.53	1.43	200	.69
5985-AFK100V68	AFK686M2AH32T	68	H	0.32	500	2.04	1.63	1.53	1.43	200	.69
5985-AFK100V100	AFK107M2AP44T	100	P	0.17	793	3.23	2.58	2.42	-	125	1.10
5985-AFK100V220	AFK227M2AR44T	220	R	0.153	917	3.92	3.13	2.94	-	125	1.33
5985-AFK100V330	AFK337M2AR44T	330	R	0.153	917	3.92	3.13	2.94	-	125	1.33

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Cornell Dubilier Aluminum Electrolytic Capacitors



SNAPMOUNT HIGH RIPPLE ALUMINUM ELECTROLYTICS 380LQ, 85°C Series

Specifications:

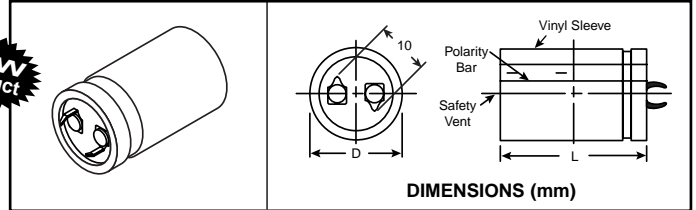
- Voltage rating: 200VDC to 450VDC
- Operating temperature: <250V: -40°C to +85°C >350V: -25°C to +85°C
- Capacitance Tolerance: 20%
- Life test: 2000 hours @ +85°C at full load
- Leakage Current: $\leq 3 \text{ VCV } \mu\text{A}$ at 5 min.

Features:

- More capacitance per case size
- Average of 27% smaller and more than 10mm shorter than Type 380L
- Approaching the capability of the 380L, the 380LQ enables you to shrink equipment size and retain the original performance

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
200 WVDC							
5985-380-200V471	471M200H022	470	1.85	22 x 30	2.45	2.18	1.96
5985-380-200V681	681M200H032	680	2.68	22 x 35	3.11	2.76	2.48
5985-380-200V821	821M200J022	820	2.93	25 x 30	3.47	3.08	2.77
5985-380-200V102	102M200J032	1000	3.25	25 x 35	3.69	3.28	2.95
5985-380-200V122	122M200K022	1200	3.50	30 x 30	4.64	4.12	3.71
5985-380-200V152	152M200K032	1500	3.87	30 x 35	5.36	4.76	4.28
5985-380-200V222	222M200K052	2200	4.92	30 x 50	7.74	6.88	6.19
5985-380-200V272	272M200A052	2700	5.45	35 x 50	9.14	8.12	7.31
250 WVDC							
5985-380-250V331	331M250H022	330	1.75	22 x 30	2.48	2.20	1.98
5985-380-250V471	471M250H032	470	2.11	22 x 35	2.99	2.66	2.39
5985-380-250V561	561M250J022	560	2.25	25 x 30	3.53	3.14	2.83
5985-380-250V681	681M250J032	680	2.50	25 x 35	3.94	3.50	3.15
5985-380-250V821	821M250K022	820	2.77	30 x 30	4.66	4.14	3.73
5985-380-250V102	102M250K032	1000	3.32	30 x 35	5.47	4.86	4.37
5985-380-250V122	122M250A032	1200	3.53	35 x 35	6.59	5.86	5.27
5985-380-250V152	152M250K052	1500	4.04	30 x 50	7.36	6.54	5.89
5985-380-250V222	222M250A052	2200	5.00	35 x 50	10.46	9.30	8.37



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
400 WVDC							
5985-380-400V221	221M400J022	220	1.49	25 x 30	3.38	3.00	2.70
5985-380-400V271	271M400K022	270	1.67	30 x 30	3.92	3.48	3.13
5985-380-400V331	331M400K022	330	1.90	30 x 30	4.64	4.12	3.71
5985-380-400V391	391M400K032	390	2.13	30 x 35	5.36	4.76	4.28
5985-380-400V471	471M400K042	470	2.39	30 x 40	6.37	5.66	5.09
5985-380-400V561	561M400A032	560	2.69	35 x 35	6.95	6.18	5.56
5985-380-400V681	681M400K052	680	2.96	30 x 50	8.91	7.92	7.13
5985-380-400V821	821M400A052	820	3.25	35 x 50	9.65	8.58	7.72
450 WVDC							
5985-380-450V121	121M450H022	120	1.04	22 x 30	2.79	2.48	2.23
5985-380-450V221	221M450K022	220	1.55	30 x 30	4.32	3.84	3.46
5985-380-450V271	271M450K022	270	1.78	30 x 30	5.06	4.50	4.05
5985-380-450V331	331M450K042	330	2.01	30 x 40	5.81	5.16	4.64
5985-380-450V391	391M450K042	390	2.24	30 x 40	7.25	6.44	5.80
5985-380-450V471	471M450A042	470	2.53	35 x 40	8.51	7.56	6.80
5985-380-450V561	561M450A452	560	2.82	35 x 45	9.65	8.58	7.72

Aluminum Capacitors

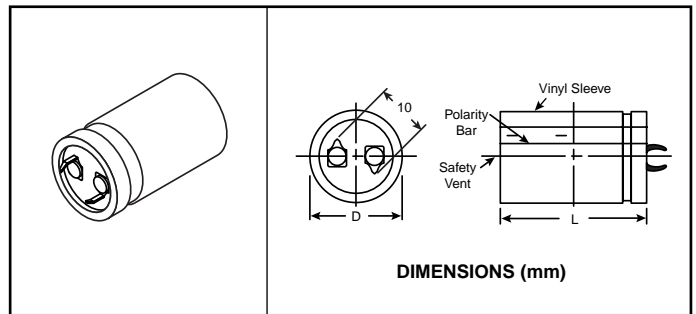
SNAPMOUNT ALUMINUM ELECTROLYTICS

380LX, 85°C Series

- Tolerance: $\pm 20\%$
- Operating Temperature range: -40°C to +85°C
- Life test: 2000 hours @ +85°C at full load
- Leakage Current: $\leq 3 \text{ VCV } \mu\text{A}$ at 5 min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type 380LX	WVDC	Value (μF)	Case D x L (mm)	Price Each		
					1	10	100
5985-85-16V33000	333M016K042	16	33,000	30 x 40	5.58	4.55	3.72
5985-85-25V6800	682M025H022	25	6,800	22 x 30	2.82	2.29	1.88
5985-85-25V10000	103M025H032	25	10,000	22 x 35	3.25	2.65	2.17
5985-85-25V22000	223M025J052	25	22,000	25 x 50	5.18	4.22	3.46
5985-85-25V47000	473M025A052	25	47,000	35 x 50	9.74	7.93	6.49
5985-85-35V5600	562M035H022	35	5,600	22 x 30	3.03	2.47	2.02
5985-85-35V10000	103M035K022	35	10,000	30 x 30	4.37	3.56	2.91
5985-85-35V15000	153M035J052	35	15,000	25 x 50	5.25	4.28	3.50
5985-85-35V22000	223M035A042	35	22,000	35 x 40	7.68	6.26	5.12
5985-85-35V33000	333M035A052	35	33,000	35 x 50	10.07	8.21	6.71
5985-85-35V8200	822M035H042	35	8,200	22 x 40	4.06	3.48	2.32
5985-85-50V3300	332M050H022	50	3,300	22 x 30	3.08	2.51	2.05
5985-85-50V4700	472M050H032	50	4,700	22 x 35	3.59	2.92	2.39
5985-85-50V4700J	472M050J022	50	4,700	25 x 30	3.92	3.36	2.24
5985-85-50V6800	682M050K022	50	6,800	30 x 30	4.78	3.89	3.19
5985-85-50V8200	822M050K032	50	8,200	30 x 35	5.60	4.56	3.73
5985-85-50V15000	153M050K052	50	15,000	30 x 50	8.27	6.74	5.51
5985-85-63V4700	472M063K022	63	4,700	30 x 30	4.70	3.83	3.14
5985-85-63V8200	822M063A032	63	8,200	35 x 35	7.15	5.83	4.77
5985-85-63V10000	103M063A042	63	10,000	35 x 40	8.25	6.72	5.50
5985-85-63V12000	123M063A052	63	12,000	35 x 50	9.43	7.69	6.29
5985-85-100V1000	102M100H022	100	1,000	22 x 30	3.21	2.62	2.14
5985-85-200V220	221M200J202	200	220	25 x 20	2.82	2.30	1.88
5985-85-200V330	331M200J012	200	330	25 x 25	3.22	2.62	2.15
5985-85-200V470	471M200J022	200	470	25 x 30	3.63	2.96	2.42
5985-85-200V680	681M200J032	200	680	25 x 35	4.52	3.68	3.01
5985-85-200V1200	122M200K452	200	1,200	30 x 45	7.21	5.88	4.81
5985-85-200V1500	152M200A042	200	1,500	35 x 40	8.73	7.12	5.82
5985-85-200V2200	222M200A052	200	2,200	35 x 50	11.47	9.34	7.64
5985-85-250V220	221M250H022	250	220	22 x 30	3.36	2.80	2.02
5985-85-250V470	471M250J042	250	470	25 x 40	4.92	4.10	2.96
5985-85-250V680	681M250A022	250	680	35 x 30	7.19	5.99	4.31
5985-85-250V1000	102M250K052	250	1,000	30 x 50	8.87	7.39	5.32
5985-85-250V1000A	102M250A042	250	1,000	35 x 35	9.42	8.07	5.38
5985-85-400V68J	680M400J202	400	68	25 x 20	3.71	3.18	2.12
5985-85-400V100	101M400H022	400	100	22 x 30	3.74	3.11	2.24
5985-85-400V680	681M400A052	400	680	35 x 50	14.6	12.5	8.32
5985-85-450V47	470M450J202	450	47	25 x 20	3.75	3.13	2.25
5985-85-450V68	680M450H022	450	68	22 x 30	3.58	2.99	2.15
5985-85-450V100	101M450J022	450	100	25 x 30	4.28	3.56	2.57
5985-85-450V120	121M450J022	450	120	25 x 30	4.23	3.45	2.82
5985-85-450V220	221M450J052	450	220	25 x 50	7.21	6.01	4.33
5985-85-450V330	331M450A042	450	330	35 x 40	10.71	8.93	6.43
5985-85-450V470	471M450A052	450	470	35 x 50	12.53	10.21	8.35



381LX, 105°C Series

Specifications for 381LX Series:

- Tolerance: $\pm 20\%$
- Operating Temperature range: -40°C to +105°C up to 315 Vdc, -25°C 350 Vdc and up
- Voltage range: 16VDC-450VDC
- Life test: 2000 hours @ 105°C at full load
- Leakage Current: $\leq 3 \text{ VCV } \mu\text{A}$

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type 381LX	WVDC	Value (μF)	Case D x L (mm)	Price Each		
					1	10	100
5985-16V10000	103M016J012	16	10,000	25 x 25	2.97	2.41	1.97
5985-16V15000	153M016J032	16	15,000	25 x 35	3.45	2.81	2.30
5985-25V10000	103M025J032	25	10,000	25 x 35	3.65	2.97	2.43
5985-25V15000	153M025J452	25	15,000	25 x 45	4.63	3.78	3.09
5985-35V10000	103M035J052	35	10,000	25 x 50	4.77	3.88	3.18
5985-35V4700J	472M035J012	35	4,700	25 x 25	3.62	3.10	2.07
5985-35V22000	223M035A052	35	22,000	35 x 50	9.00	7.34	6.00
5985-160V680	681M160K022	160	680	30 x 30	4.70	4.03	2.69
5985-200V220	221M200H012	200	220	22 x 25	2.78	2.26	1.85
5985-200V330	331M200J012	200	330	25 x 25	3.36	2.73	2.24
5985-200V470	471M200J032	200	470	25 x 35	4.39	3.66	2.63
5985-200V680	681M200J042	200	680	25 x 40	4.82	3.93	3.22
5985-200V1000	102M200K452	200	1,000	30 x 45	6.91	5.63	4.61
5985-200V1200	122M200K052	200	1,200	30 x 50	7.83	6.38	5.22
5985-200V1500	152M200A042	200	1,500	35 x 40	9.37	7.63	6.25
5985-250V180	181M250J012	250	180	25 x 25	3.45	2.88	2.07
5985-250V330	331M250K012	250	330	30 x 25	4.34	3.54	2.89
5985-250V390	391M250J032	250	390	25 x 35	4.89	4.08	2.94
5985-250V680	681M250K452</						

MALLORY COMPUTER GRADE ALUMINUM ELECTROLYTICS

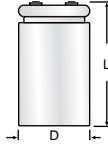
Specifications:

- Temperature range: -40° to +85°C
- DC Leakage Current:
I = .006 vCV after 30 minutes
Not to exceed 6mA
C = Capacitance in µF
V = Rated Voltage
I = Leakage Current in mA

QA Stability Test:

- Apply WVDC for 2,000 hrs at 85°C
- Capacitance change ≤10% from initial limits
- DC leakage currents meets initial limits
- ESR ≤ 175% of initial measured value

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Value (µF)	Case DxL (In.)	Price Each		
				1	25	50
16 Volt						
539-CGS16V15000	153U016R2L	15,000	1.375 x 2.625	8.40	7.56	6.72
539-CGS16V17000	173U016R3C	17,000	1.375 x 3.125	8.18	7.36	6.54
539-CGS16V23000	233U016V3C	23,000	2.0 x 3.125	10.50	9.45	8.40
539-CGS16V24000	243U016R3C	24,000	1.375 x 3.125	8.66	7.99	6.93
539-CGS16V38000	383U016V3C	38,000	2.0 x 3.125	10.50	9.45	8.40
539-CGS16V50000	503U016V3C	50,000	2.0 x 3.125	13.48	12.13	10.78
539-CGS16V55000	553U016V3L	55,000	2.0 x 4.125	13.42	12.08	10.74
539-CGS16V100000	104U016X5C	100,000	3.0 x 5.125	32.16	28.94	25.73
539-CGS16V110000	114U016W4C	110,000	2.5 x 4.125	22.44	20.20	17.95
539-CGS16V120000	124U016X3L	120,000	3.0 x 3.625	27.58	24.82	22.06
539-CGS16V210000	214U016X5R	210,000	3.0 x 5.875	37.14	33.43	29.71
25 Volt						
539-CGS25V8900	892U025R3C	8,900	1.375 x 3.125	8.18	7.36	6.54
539-CGS25V12000	123U025V3C	12,000	2.0 x 3.125	9.95	9.14	8.42
539-CGS25V18000	183U025R4C	18,000	1.375 x 4.125	10.14	9.13	8.11
539-CGS25V20000	203U025V3C	20,000	2.0 x 3.125	12.38	11.14	9.90
539-CGS25V28000	283U025V3C	28,000	2.0 x 3.125	13.42	12.08	10.74
539-CGS25V29000	293U025V4C	29,000	2.0 x 4.125	13.22	11.90	10.58
539-CGS25V41000	413U025V4C	41,000	2.0 x 4.125	15.14	13.63	12.11
539-CGS25V47000	473U025V4C	47,000	2.0 x 4.125	15.70	14.13	12.56
30 Volt						
539-CGS30V8000	802U030R3C	8,000	1.375 x 3.125	8.32	7.49	6.66
539-CGS30V55000	553U030W4C	55,000	2.5 x 4.125	23.14	20.83	18.51
539-CGS30V100000	104U030X5L	100,000	3.0 x 5.625	31.86	28.67	25.49
35 Volt						
539-CGS35V12000	123U035R4C	12,000	1.375 x 4.125	9.46	8.51	7.57
539-CGS35V21000	213U035V3C	21,000	2.0 x 3.125	13.01	11.74	10.43
40 Volt						
539-CGS40V2200	222U040R2C	2,200	1.375 x 2.125	7.30	6.57	5.84
539-CGS40V2700	272U040R2C	2,700	1.375 x 2.125	7.26	6.53	5.81
539-CGS40V3500	352U040R2C	3,500	1.375 x 2.125	7.44	6.70	5.95
539-CGS40V4200	422U040R3C	4,200	1.375 x 3.125	8.88	7.99	7.10
539-CGS40V5100	512U040R3C	5,100	1.375 x 3.125	7.66	6.89	6.13
539-CGS40V9000	902U040R4C	9,000	1.375 x 4.125	9.58	8.62	7.66
539-CGS40V9300	932U040V3C	9,300	2.0 x 3.125	12.26	11.03	9.81
539-CGS40V11000	113U040V3C	11,000	2.0 x 3.125	11.32	10.19	9.06
539-CGS40V12000	123U040R4C	12,000	1.375 x 4.125	9.76	8.78	7.81
539-CGS40V13000	133U040V4C	13,000	2.0 x 4.125	12.90	11.61	10.32
539-CGS40V17000	173U040V4C	17,000	2.0 x 4.125	13.00	11.70	10.40
539-CGS40V20000	203U040V5L	20,000	2.0 x 5.625	14.44	13.00	11.55
539-CGS40V23000	233U040V4C	23,000	2.0 x 4.125	14.00	12.60	11.20
539-CGS40V35000	353U040V5L	35,000	2.0 x 5.625	18.42	16.58	14.74
539-CGS40V40000	403U040W4C	40,000	2.5 x 4.125	21.56	19.40	17.25
50 Volt						
539-CGS50V1600	162U050R2C	1,600	1.375 x 2.125	7.26	6.53	5.81
539-CGS50V2200	222U050R2C	2,200	1.375 x 2.125	7.08	6.37	5.66
539-CGS50V2900	292U050R3C	2,900	1.375 x 3.125	8.48	7.63	6.78
539-CGS50V4100	412U050R3C	4,100	1.375 x 3.125	8.74	7.87	6.99
539-CGS50V5000	502U050R3C	5,000	1.375 x 3.125	9.02	8.12	7.22
539-CGS50V6100	612U050R4C	6,100	1.375 x 4.125	9.28	8.35	7.42
539-CGS50V6500	652U050V3C	6,500	2.0 x 3.125	10.80	9.72	8.64
539-CGS50V9600	962U050V4C	9,600	2.0 x 4.125	13.26	11.93	10.61
539-CGS50V10000	103U050R4C	10,000	1.375 x 4.125	10.76	9.68	8.61
539-CGS50V15000	153U050V4C	15,000	2.0 x 4.125	13.88	12.49	11.10

Mallory CGS Series Equivalents	
Collins - CES Series	Nichicon - NR Series
General Electric - 86F Series	Rubycon - LSA Series
Mepco-electra - 3186/91C & 91F Series	Sprague - 36D, 36DX Series

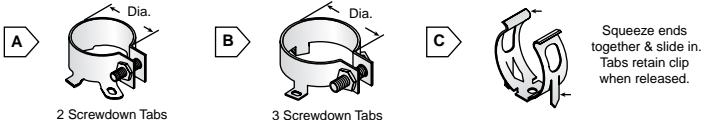
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Value (µF)	Case DxL (In.)	Price Each		
				1	25	50
50 Volt (cont.)						
539-CGS50V18000	183U050V3C	18,000	2.0 x 3.125	15.18	13.66	12.14
539-CGS50V20000	203U050V4C	20,000	2.0 x 4.125	16.06	14.45	12.85
539-CGS50V25000	253U050W4C	25,000	2.5 x 4.125	20.22	18.20	16.18
539-CGS50V56000	563U050X3L	56,000	3.0 x 3.625	32.00	28.45	26.67
75 Volt						
539-CGS75V1500	152U075R3C	1,500	1.375 x 3.125	8.00	7.20	6.40
539-CGS75V2100	212U075R3C	2,100	1.375 x 3.125	7.82	7.04	6.26
539-CGS75V2900	292U075R3C	2,900	1.375 x 3.125	8.84	7.96	7.07
539-CGS75V4200	422U075R4C	4,200	1.375 x 4.125	8.98	8.08	7.18
539-CGS75V4800	482U075V3C	4,800	2.0 x 3.125	12.20	10.98	9.76
539-CGS75V6300	632U075R5L	6,300	1.375 x 5.625	11.42	10.28	9.14
539-CGS75V10000	103U075R3C	10,000	1.375 x 3.125	18.94	17.05	15.15
539-CGS75V10000L	103U075V4C	10,000	2.0 x 4.125	15.66	14.09	12.53
539-CGS75V10000S	103U075V3C	10,000	2.0 x 3.125	14.92	13.43	11.94
539-CGS75V17000	173U075X4C	17,000	3.0 x 4.125	24.98	22.48	19.98
539-CGS75V25000L	253U075W5L	25,000	2.5 x 5.625	26.52	23.87	21.22
539-CGS75V25000S	253U075X4C	25,000	3.0 x 4.125	30.10	27.09	24.08
539-CGS75V37000	373U075X5L	37,000	3.0 x 5.625	38.14	34.33	30.51
100 Volt						
539-CGS100V1200	122U100R3C	1,200	1.375 x 3.125	7.84	7.06	6.27
539-CGS100V1700	172U100R3C	1,700	1.375 x 3.125	9.24	8.32	7.39
539-CGS100V4000	402U100V4C	4,000	2.0 x 4.125	14.34	12.91	11.47
539-CGS100V10000	103U100W4C	10,000	2.5 x 4.125	20.16	18.14	16.13
539-CGS100V15000	153U100X4C	15,000	3.0 x 4.125	29.66	26.69	23.73
150 Volt						
539-CGS150V400	401U150R2C	400	1.375 x 2.125	8.06	7.25	6.45
539-CGS150V720	721U150R3C	720	1.375 x 3.125	10.68	9.61	8.54
539-CGS150V3500	352U150V5L	3,500	2.0 x 5.625	18.02	16.22	14.42
539-CGS150V8700	872U150X5R	8,700	3.0 x 5.875	38.14	34.33	30.51
200 Volt						
539-CGS200V1000	102T200R4C	1,000	1.375 x 4.125	11.50	10.35	9.20
539-CGS200V2000	202T200V4C	2,000	2.0 x 4.125	17.98	16.18	14.38
539-CGS200V5400	542T200X4L	5,400	3.0 x 4.625	35.44	31.90	28.35
539-CGS200V7400	742T200X5L	7,400	3.0 x 5.625	46.98	42.28	37.58
539-CGS200V7700	772T200X5L	7,700	3.0 x 5.625	44.76	40.28	35.81
250 Volt						
539-CGS250V200	201T250R2C	200	1.375 x 2.125	7.78	7.00	6.22
539-CGS250V550	551T250R4C	550	1.375 x 4.125	10.54	9.49	8.43
539-CGS250V1200	122T250V3C	1,200	2.0 x 3.125	15.18	13.66	12.14
539-CGS250V6000	602T250X5L	6,000	3.0 x 5.625	53.90	48.51	43.12
350 Volt						
539-CGS350V2200	222T350W5L	2,200	2.5 x 5.625	44.36	39.92	35.49
539-CGS350V3300	332T350X5L	3,300	3.0 x 5.625	48.86	43.97	39.09
450 Volt						
539-CGS450V75	750T450R2C	75	1.375 x 2.125	7.88	7.09	6.30
539-CGS450V100	101T450R2C	100	1.375 x 2.125	8.22	7.40	6.58
539-CGS450V140	141T450R3C	140	1.375 x 3.125	9.44	8.50	7.55
539-CGS450V210	211T450R4C	210	1.375 x 4.125	12.30	11.07	9.84
539-CGS450V320	321T450V3C	320	2.0 x 3.125	15.52	13.97	12.42
539-CGS450V400	401T450R5C	400	1.375 x 5.625	15.52	13.97	12.42
539-CGS450V450	451T450V3C	450	2.0 x 3.125	19.08	17.17	15.26
539-CGS450V480	481T450V4C	480	2.0 x 4.125	18.42	16.58	14.74
539-CGS450V650	651T450V4C	650	2.0 x 4.125	24.14	21.73	19.31
539-CGS450V800	801T450V4L	800	2.0 x 4.625	26.68	24.01	21.34
539-CGS450V1000	102T450R2C	1,000	2.5 x 4.125	30.98	27.88	24.78
539-CGS450V1400	142T450W5C	1,400	2.5 x 5.125	33.98	30.58	27.18
539-CGS450V1500	152T450X4C	1,500	3.0 x 4.125	45.32	40.79	36.26
539-CGS450V2000	202T450X5C	2,000	3.0 x 5.125	53.98	48.58	43.18
539-CGS450V2400	242T450X5L	2,400	3.0 x 5.625	56.54	50.39	45.23
539-CGS450V3300	332T450X5L	3,300	3.0 x 5.625	80.86	72.77	64.69

Aluminum Capacitors

MALLORY MOUNTING HARDWARE

Cornell Dubilier Electronics, Inc.



Nichicon Aluminum Electrolytic Capacitors



nichicon UWP BI-POLAR SMD SERIES

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 6.3V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10µA, whichever is greater.

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.5mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Load Life:

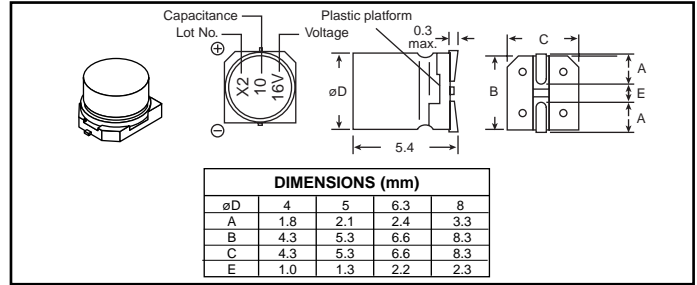
After 1000 hours application of rated voltage at 85°C with the polarity inverted every 250 hours, capacitors meet the characteristics listed at right.

Capacitance change	Within ±20% of initial value (±25% for 4V)
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

Available in Tape & Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
6.3 Volt							
647-UWP0J220M	UWP0J220MCR1GB	22	5 X 5.4	.45	.34	1000	.22
647-UWP0J330M	UWP0J330MCR1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J470M	UWP0J470MCR1GB	47	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J101M	UWP0J101MCR1GB	100	8 X 5.4	.48	.36	1000	.24
10 Volt							
647-UWP1A100M	UWP1A100MCR1GB	10	4 X 5.4	.39	.29	2000	.19
647-UWP1A220M	UWP1A220MCR1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A330M	UWP1A330MCR1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A470M	UWP1A470MCR1GB	47	8 X 5.4	.48	.36	1000	.24
16 Volt							
647-UWP1C4R7M	UWP1C4R7MCR1GB	4.7	4 X 5.4	.39	.29	2000	.19
647-UWP1C100M	UWP1C100MCR1GB	10	5 X 5.4	.45	.34	1000	.22
647-UWP1C220M	UWP1C220MCR1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C330M	UWP1C330MCR1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C470M	UWP1C470MCR1GB	47	8 X 5.4	.48	.36	1000	.24
25 Volt							
647-UWP1E3R3M	UWP1E3R3MCR1GB	3.3	5 X 5.4	.39	.29	1000	.20
647-UWP1E4R7M	UWP1E4R7MCR1GB	4.7	5 X 5.4	.45	.34	1000	.22



Available in Tape & Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
25 Volt (cont.)							
647-UWP1E100M	UWP1E100MCR1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1E220M	UWP1E220MCR1GB	22	8 X 5.4	.48	.36	1000	.24
647-UWP1E330M	UWP1E330MCR1GB	33	8 X 5.4	.48	.36	1000	.24
35 Volt							
647-UWP1V2R2M	UWP1V2R2MCR1GB	2.2	4 X 5.4	.43	.32	2000	.21
647-UWP1V3R3M	UWP1V3R3MCR1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1V4R7M	UWP1V4R7MCR1GB	4.7	5 X 5.4	.45	.34	1000	.22
647-UWP1V100M	UWP1V100MCR1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1V220M	UWP1V220MCR1GB	22	8 X 5.4	.48	.36	1000	.24
50 Volt							
647-UWP1H0R1M	UWP1H0R1MCR1GB	0.1	4 X 5.4	.39	.29	2000	.19
647-UWP1HR22M	UWP1HR22MCR1GB	0.22	4 X 5.4	.39	.29	2000	.19
647-UWP1HR33M	UWP1HR33MCR1GB	0.33	4 X 5.4	.39	.29	2000	.19
647-UWP1HR47M	UWP1HR47MCR1GB	0.47	4 X 5.4	.39	.29	2000	.19
647-UWP1H010M	UWP1H010MCR1GB	1	4 X 5.4	.39	.29	2000	.19
647-UWP1H2R2M	UWP1H2R2MCR1GB	2.2	5 X 5.4	.45	.34	1000	.22
647-UWP1H3R3M	UWP1H3R3MCR1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1H4R7M	UWP1H4R7MCR1GB	4.7	6.3 X 5.4	.47	.35	1000	.23
647-UWP1H100M	UWP1H100MCR1GB	10	8 X 5.4	.48	.36	1000	.24

nichicon UWX 85° SMD GENERAL PURPOSE SERIES

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 4V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3µA, whichever is greater.

Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.5mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Load Life:

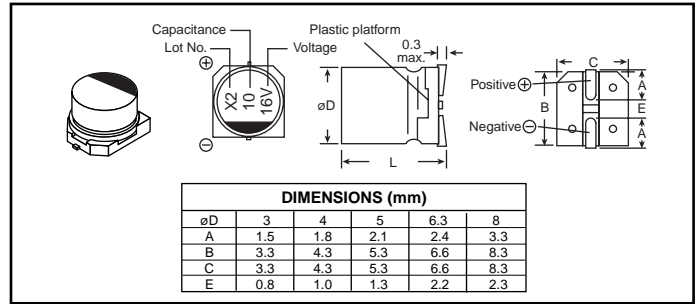
After 2000 hours application of rated voltage at 85°C the capacitors meet the characteristics listed at right.

Capacitance change	Within ±20% of initial value (±25% for 4V)
tan δ	Initial specified value or less
Leakage current	Initial specified value or less

Available in Tape & Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
4 Volt							
647-UWX0G220MCR2	UWX0G220MCR2GB	22	3 X 5.4	.23	.16	2000	.09
647-UWX0G330MCR1	UWX0G330MCR1GB	33	4 X 5.4	.23	.16	2000	.09
647-UWX0G470MCR1	UWX0G470MCR1GB	47	4 X 5.4	.23	.16	2000	.09
647-UWX0G101MCR1	UWX0G101MCR1GB	100	5 X 5.4	.26	.17	1000	.10
647-UWX0G221MCR1	UWX0G221MCR1GB	220	6.3 X 5.4	.28	.19	1000	.11
6.3 Volt							
647-UWX0J220MCR2	UWX0J220MCR2GB	22	3 X 5.4	.23	.16	2000	.09
647-UWX0J220MCR1	UWX0J220MCR1GB	22	4 X 5.4	.23	.16	2000	.09
647-UWX0J330MCR1	UWX0J330MCR1GB	33	5 X 5.4	.26	.17	1000	.10
647-UWX0J470MCR1	UWX0J470MCR1GB	47	5 X 5.4	.26	.17	1000	.10
647-UWX0J101MCR1	UWX0J101MCR1GB	100	6.3 X 5.4	.28	.19	1000	.11
647-UWX0J221MCR1	UWX0J221MCR1GB	220	8 X 5.4	.28	.19	1000	.11
647-UWX0J331MCR1	UWX0J331MCR1GB	330	8 X 5.4	.32	.22	1000	.12
10 Volt							
647-UWX1A220MCR1	UWX1A220MCR1GB	22	5 X 5.4	.26	.17	1000	.10
647-UWX1A330MCR1	UWX1A330MCR1GB	33	5 X 5.4	.26	.17	1000	.10
647-UWX1A470MCR1	UWX1A470MCR1GB	47	6.3 X 5.4	.28	.19	1000	.11
647-UWX1A101MCR1	UWX1A101MCR1GB	100	6.3 X 5.4	.28	.19	1000	.11
647-UWX1A221MCR1	UWX1A221MCR1GB	220	8 X 5.4	.32	.22	1000	.12
16 Volt							
647-UWX1C100MCR2	UWX1C100MCR2GB	10	3 X 5.4	.23	.16	2000	.09
647-UWX1C100MCR1	UWX1C100MCR1GB	10	4 X 5.4	.23	.16	2000	.09
647-UWX1C220MCR1	UWX1C220MCR1GB	22	5 X 5.4	.26	.17	1000	.10
647-UWX1C330MCR1	UWX1C330MCR1GB	33	6.3 X 5.4	.28	.19	1000	.11
647-UWX1C470MCR1	UWX1C470MCR1GB	47	6.3 X 5.4	.28	.19	1000	.11
647-UWX1C101MCR1	UWX1C101MCR1GB	100	6.3 X 5.4	.28	.19	1000	.11
25 Volt							
647-UWX1E4R7MCR2	UWX1E4R7MCR2GB	4.7	3 X 5.4	.23	.16	2000	.09
647-UWX1E4R7MCR1	UWX1E4R7MCR1GB	4.7	4 X 5.4	.23	.16	2000	.09
647-UWX1E100MCR1	UWX1E100MCR1GB	10	5 X 5.4	.26	.17	1000	.10
647-UWX1E220MCR1	UWX1E220MCR1GB	22	6.3 X 5.4	.28	.19	1000	.11



Available in Tape & Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
25 Volt (cont.)							
647-UWX1E330MCR1	UWX1E330MCR1GB	33	6.3 X 5.4	.28	.19	1000	.11
647-UWX1E101MCR1	UWX1E101MCR1GB	100	8 X 5.4	.32	.22	1000	.12
35 Volt							
647-UWX1V2R2MCR2	UWX1V2R2MCR2GB	2.2	3 X 5.4	.23	.16	2000	.09
647-UWX1V3R3MCR2	UWX1V3R3MCR2GB	3.3	3 X 5.4	.23	.16	2000	.09
647-UWX1V4R7MCR1	UWX1V4R7MCR1GB	4.7	4 X 5.4	.23	.16	2000	.09
647-UWX1V100MCR1	UWX1V100MCR1GB	10	5 X 5.4	.26	.17	1000	.10
647-UWX1V220MCR1	UWX1V220MCR1GB	22	6.3 X 5.4	.28	.19	1000	.11
647-UWX1V330MCR1	UWX1V330MCR1GB	33	8 X 5.4	.32	.22	1000	.12
647-UWX1V470MCR1	UWX1V470MCR1GB	47	8 X 5.4	.32	.22	1000	.12
50 Volt							
647-UWX1H0R1MCR2	UWX1H0R1MCR2GB	0.1	3 X 5.4	.23	.16	2000	.09
647-UWX1H0R1MCR1	UWX1H0R1MCR1GB	0.1	4 X 5.4	.23	.16	2000	.09
647-UWX1HR22MCR2	UWX1HR22MCR2GB	0.22	3 X 5.4	.23	.16	2000	.09
647-UWX1HR22MCR1	UWX1HR22MCR1GB	0.22	4 X 5.4	.23	.16	2000	.09
647-UWX1HR33MCR2	UWX1HR33MCR2GB	0.33	3 X 5.4	.23	.16	2000	.09
647-UWX1HR33MCR1	UWX1HR33MCR1GB	0.33	4 X 5.4	.23	.16	2000	.09
647-UWX1HR47MCR2	UWX1HR47MCR2GB	0.47	3 X 5.4	.23	.16	2000	.09
647-UWX1HR47MCR1	UWX1HR47MCR1GB	0.47	4 X 5.4	.23	.16	2000	.09
647-UWX1H010MCR2	UWX1H010MCR2GB	1	3 X 5.4	.23	.16	2000	.09
647-UWX1H010MCR1	UWX1H010MCR1GB	1	4 X 5.4	.23	.16	2000	.09
647-UWX1H2R2MCR2	UWX1H2R2MCR2GB	2.2	3 X 5.4	.23	.16	2000	.09
647-UWX1H2R2MCR1	UWX1H2R2MCR1GB	2.2	4 X 5.4	.23	.16	2000	.09
647-UWX1H3R3MCR1	UWX1H3R3MCR1GB	3.3	4 X 5.4	.23	.16	2000	.09
647-UWX1H4R7MCR1	UWX1H4R7MCR1GB	4.7	5 X 5.4	.26	.17	1000	.10
647-UWX1H100MCR1	UWX1H100MCR1GB	10	6.3 X 5.4	.28	.19	1000	.11
647-UWX1H220MCR1	UWX1H220MCR1GB	22	8 X 5.4	.32	.22	1000	.12
647-UWX1H330MCR1	UWX1H330MCR1GB	33	8 X 5.4	.32	.22	1000	.12

Nichicon Aluminum Electrolytic Capacitors



nichicon UWT 105° SMD SERIES

Specifications:

- Operating temperature range: -55 ~ +105° C
- Voltage range: 4 ~ 50V
- Capacitance range: 0.1 ~ 1500µF
- Capacitance tolerance: ± 20% at 120Hz/ 20°C

- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater.

Load Life:

After 1000 hours application of rated voltage at 105°C, capacitors meet the characteristics listed at right.

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Capacitance change	Within ± 25% of initial value for capacitors of ø3mm unit, and 16V or less Within ± 20% of initial value for capacitors of 25V or more.
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

Available in Tape & Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price per Piece
				1	100		
4.0 Volt							
647-UWT0G220MC1B	UWT0G220MCR1GB	22	4 x 5.4	.22	.15	2000	.081
647-UWT0G330MC1B	UWT0G330MCR1GB	33	5 x 5.4	.25	.18	1000	.100
647-UWT0G470MC1B	UWT0G470MCR1GB	47	5 x 5.4	.25	.18	1000	.100
647-UWT0G101MC1B	UWT0G101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
647-UWT0G221MC1B	UWT0G221MCR1GB	220	8 x 5.4	.33	.23	1000	.130
6.3 Volt							
647-UWT0J220MC1B	UWT0J220MCR1GB	22	4 x 5.4	.22	.15	2000	.081
647-UWT0J330MC1B	UWT0J330MCR1GB	33	5 x 5.4	.25	.18	1000	.100
647-UWT0J470MC1B	UWT0J470MCR1GB	47	5 x 5.4	.25	.18	1000	.100
647-UWT0J101MC1B	UWT0J101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
647-UWT0J221MC1B	UWT0J221MCR1GB	220	8 x 5.4	.28	.20	1000	.110
647-UWT0J331MC1S	UWT0J331MCR1GS	330	6.3 x 7.7	.36	.26	1000	.140
647-UWT0J471MN1S	UWT0J471MNR1GS	470	8 x 10	.44	.31	900	.179
647-UWT0J681MN1S	UWT0J681MNR1GS	680	8 x 10	.44	.31	500	.200
647-UWT0J102MN1S	UWT0J102MNR1GS	1000	8 x 10	.44	.31	500	.200
647-UWT0J152MN1S	UWT0J152MNR1GS	1500	10 x 10	.56	.40	500	.260
10 Volt							
647-UWT1A220MC1B	UWT1A220MCR1GB	22	5 x 5.4	.25	.18	1000	.100
647-UWT1A330MC1B	UWT1A330MCR1GB	33	5 x 5.4	.25	.18	1000	.100
647-UWT1A470MC1B	UWT1A470MCR1GB	47	6.3 x 5.4	.26	.19	1000	.110
647-UWT1A101MC1B	UWT1A101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
16 Volt							
647-UWT1C100MC2B	UWT1C100MCR2GB	10	3 x 5.4	.22	.15	2000	.081
647-UWT1C100MC1B	UWT1C100MCR1GB	10	4 x 5.4	.22	.15	2000	.081
647-UWT1C220MC1B	UWT1C220MCR1GB	22	5 x 5.4	.25	.18	1000	.100
647-UWT1C330MC1B	UWT1C330MCR1GB	33	6.3 x 5.4	.26	.19	1000	.110
647-UWT1C470MC1B	UWT1C470MCR1GB	47	6.3 x 5.4	.26	.19	1000	.110
647-UWT1C101MC1B	UWT1C101MCR1GB	100	6.3 x 5.4	.26	.19	1000	.110
647-UWT1C221MC1B	UWT1C221MCR1GB	220	6.3 x 7.7	.36	.26	900	.159
647-UWT1C331MN1S	UWT1C331MNR1GS	330	8 x 10	.44	.31	500	.200
647-UWT1C471MN1S	UWT1C471MNR1GS	470	8 x 10	.44	.31	500	.200
647-UWT1C681MN1S	UWT1C681MNR1GS	680	10 x 10	.57	.40	500	.260
25 Volt							
647-UWT1E4R7MC2B	UWT1E4R7MCR2GB	4.7	3 x 5.4	.22	.15	2000	.081
647-UWT1E4R7MC1B	UWT1E4R7MCR1GB	4.7	4 x 5.4	.22	.15	2000	.081
647-UWT1E100MC1B	UWT1E100MCR1GB	10	5 x 5.4	.25	.18	1000	.100
647-UWT1E220MC1B	UWT1E220MCR1GB	22	6.3 x 5.4	.26	.19	1000	.110
647-UWT1E330MC1B	UWT1E330MCR1GB	33	6.3 x 5.4	.26	.19	1000	.110
647-UWT1E470MC1B	UWT1E470MCR1GB	47	8 x 5.4	.33	.23	1000	.130
647-UWT1E470MN6S	UWT1E470MNR6GS	47	6.3 x 5.8	.33	.23	1000	.130

nichicon UUD LOW IMPEDANCE SMD SERIES

Specifications:

- Operating temperature range: -55 ~ +105° C
- Voltage range: 6.3 ~ 50V
- Capacitance range: 0.1 ~ 1500µF

- Capacitance tolerance: ± 20% at 120Hz/ 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater.

Load Life:

After 1000 hours application of rated voltage at 105°C, capacitors meet the characteristics listed at right.

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Capacitance change	Within ± 25% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

Available in Tape & Reel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price per Piece
				1	100		
6.3 Volt							
647-UUD0J470MC	UUD0J470MCR1GS	47	5 x 5.8	.60	.54	1000	.30
647-UUD0J101MC	UUD0J101MCR1GS	100	6.3 x 5.8	.65	.59	1000	.33
647-UUD0J221MC	UUD0J221MCR1GS	220	6.3 x 5.8	.65	.59	1000	.33
647-UUD0J331MC	UUD0J331MCR1GS	330	6.3 x 7.7	.65	.59	900	.33
647-UUD0J681MN	UUD0J681MNR1GS	680	8 x 10	.83	.75	500	.66
647-UUD0J102MN	UUD0J102MNR1GS	1000	8 x 10	.83	.75	500	.66
647-UUD0J152MN	UUD0J152MNR1GS	1500	10 x 10	.90	.81	500	.72
10 Volt							
647-UUD1A220MC	UUD1A220MCR1GS	22	4 x 5.8	.54	.48	2000	.22
647-UUD1A330MC	UUD1A330MCR1GS	33	5 x 5.8	.60	.54	1000	.30
647-UUD1A680MC	UUD1A680MCR1GS	68	6.3 x 5.8	.65	.59	1000	.33
647-UUD1A101MC	UUD1A101MCR1GS	100	6.3 x 5.8	.65	.59	1000	.33
647-UUD1A471MN	UUD1A471MNR1GS	470	8 x 10	.83	.75	500	.66
647-UUD1A102MN	UUD1A102MNR1GS	1000	10 x 10	.90	.81	500	.72
16 Volt							
647-UUD1C470MC	UUD1C470MCR1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1C680MC	UUD1C680MCR1GS	68	6.3 x 5.8	.65	.59	1000	.33
647-UUD1C101MC	UUD1C101MCR1GS	100	6.3 x 5.8	.65	.59	1000	.33
647-UUD1C221MC	UUD1C221MCR1GS	220	6.3 x 7.7	.69	.62	900	.35
647-UUD1C331MN	UUD1C331MNR1GS	330	8 x 10	.83	.75	500	.66
647-UUD1C471MN	UUD1C471MNR1GS	470	8 x 10	.83	.75	500	.66
647-UUD1C681MN	UUD1C681MNR1GS	680	10 x 10	.90	.81	500	.72
25 Volt							
647-UUD1E100MC	UUD1E100MCR1GS	10	4 x 5.8	.54	.48	2000	.22
647-UUD1E220MC	UUD1E220MCR1GS	22	5 x 5.8	.60	.54	1000	.30
647-UUD1E330MC	UUD1E330MCR1GS	33	6.3 x 5.8	.65	.59	1000	.33
647-UUD1E470MC	UUD1E470MCR1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1E680MC	UUD1E680MCR1GS	68	6.3 x 5.8	.65	.59	1000	.33
647-UUD1E101MC	UUD1E101MCR1GS	100	6.3 x 7.7	.69	.62	900	.35

(ø3-ø8 x 5.4L) (ø8 x 10L, ø10 x 10L)

Capacitance Voltage

105°C Marking

Lot No.

Plastic platform

Positive ⊕

Negative ⊖

	3 x 5.4	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 5.8	6.3 x 7.7	8 x 5.4	8 x 10	10 x 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10
H	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 1.1	0.5 - 1.1

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price per Piece
				1	100		
25 Volt (cont.)							
647-UWT1E331MN1S	UWT1E331MNR1GS	330	8 x 10	.44	.31	500	.200
647-UWT1E471MN1S	UWT1E471MNR1GS	470	10 x 10	.56	.40	500	.260
35 Volt							
647-UWT1V2R2MC2B	UWT1V2R2MCR2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1V3R3MC2B	UWT1V3R3MCR2GB	3.3	3 x 5.4	.22	.15	2000	.081
647-UWT1V4R7MC1B	UWT1V4R7MCR1GB	4.7	4 x 5.4	.22	.15	2000	.081
647-UWT1V100MC1B	UWT1V100MCR1GB	10	5 x 5.4	.25	.18	1000	.100
647-UWT1V220MC1B	UWT1V220MCR1GB	22	6.3 x 5.4	.26	.19	1000	.110
647-UWT1V330MC1B	UWT1V330MCR1GB	33	8 x 5.4	.33	.23	1000	.130
647-UWT1V470MC1S	UWT1V470MCR1GS	47	6.3 x 5.8	.36	.26	1000	.150
647-UWT1V101MC1S	UWT1V101MCR1GS	100	6.3 x 7.7	.36	.26	900	.159
647-UWT1V221MN1S	UWT1V221MNR1GS	220	8 x 10	.44	.31	500	.200
647-UWT1V331MN1S	UWT1V331MNR1GS	330	10 x 10	.56	.40	500	.260
50 Volt							
647-UWT1H0R1MC2B	UWT1H0R1MCR2GB	0.10	3 x 5.4	.22	.15	2000	.081
647-UWT1H0R1MC1B	UWT1H0R1MCR1GB	0.10	4 x 5.4	.22	.15	2000	.081
647-UWT1HR22MC1B	UWT1HR22MCR1GB	0.22	3 x 5.4	.22	.15	2000	.081
647-UWT1HR22MC2B	UWT1HR22MCR2GB	0.22	4 x 5.4	.22	.15	2000	.081
647-UWT1HR33MC2B	UWT1HR33MCR2GB	0.33	3 x 5.4	.22	.15	2000	.081
647-UWT1HR33MC1B	UWT1HR33MCR1GB	0.33	4 x 5.4	.22	.15	2000	.081
647-UWT1HR47MC2B	UWT1HR47MCR2GB	0.47	3 x 5.4	.22	.15	2000	.081
647-UWT1HR47MC1B	UWT1HR47MCR1GB	0.47	4 x 5.4	.22	.15	2000	.081
647-UWT1H010MC2B	UWT1H010MCR2GB	1.0	3 x 5.4	.22	.15	2000	.081
647-UWT1H010MC1B	UWT1H010MCR1GB	1.0	4 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MC2B	UWT1H2R2MCR2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MC1B	UWT1H2R2MCR1GB	2.2	4 x 5.4	.22	.15	2000	.081
647-UWT1H3R3MC1B	UWT1H3R3MCR1GB	3.3	4 x 5.4	.22	.15	2000	.081
647-UWT1H4R7MC1B	UWT1H4R7MCR1GB	4.7	5 x 5.4	.25	.18	1000	.100
647-UWT1H100MC1B	UWT1H100MCR1GB	10	6.3 x 5.4	.26	.19	1000	.110
647-UWT1H220MN1B	UWT1H220MNR1GS	22	8 x 5.4	.33	.23	1000	.130
647-UWT1H330MC1S	UWT1H330MCR1GS	33	6.3 x 7.7	.36	.26	900	.159
647-UWT1H470MC1S	UWT1H470MCR1GS	47	6.3 x 7.7	.36	.26	900	.159
647-UWT1H101MN1S	UWT1H101MNR1GS	100	8 x 10	.44	.31	500	.200
647-UWT1H221MN1S	UWT1H221MNR1GS	220	10 x 10	.56	.40	500	.260

(ø4-6.3) (ø8, ø10 x 10L)

Series

Voltage (C:16V)

Lot No.

Capacitance

Plastic platform

Positive ⊕

Negative ⊖

	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 0.8	0.5 - 1.1	0.5 - 1.1

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel Reel Qty.	Price per Piece
				1	100		
25 Volt (cont.)							
647-UUD1E221MN	UUD1E221MNR1GS	220	8 x 10	.83	.75	500	.66
647-UUD1E331MN	U						

nichicon USR 7mm SERIES

For General Purposes

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3 ~ 50V
- Capacitance range: 0.1 ~ 470µF

- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: after 2 minutes application of rated voltage, leakage current is no more than 0.01CV or 3µA, whichever is greater

Load Life:

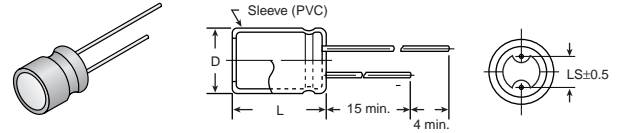
After 1000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		WVDC	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	500
647	USR0J220MDA	6.3	22	4 X 7	1.5	.24	.15	.10	.07
647	USR0J330MDA	6.3	33	4 X 7	1.5	.22	.14	.09	.06
647	USR0J101MDA	6.3	100	5 X 7	2.0	.27	.17	.11	.08
647	USR0J470MDA	6.3	47	4 X 7	1.5	.23	.15	.10	.07
647	USR0J221MDA	6.3	220	6.3 X 7	2.5	.27	.18	.13	.09
647	USR0J331MCA	6.3	330	8 X 7	3.5	.32	.23	.17	.12
647	USR1A220MDA	10	22	4 X 7	1.5	.22	.14	.09	.06
647	USR1A330MDA	10	33	4 X 7	1.5	.23	.15	.10	.07
647	USR1A470MDA	10	47	5 X 7	2	.24	.15	.10	.07
647	USR1A101MDA	10	100	6.3 X 7	2.5	.24	.16	.11	.08
647	USR1A221MCA	10	220	8 X 7	3.5	.31	.23	.17	.12
647	USR1C100MDA	16	10	4 X 7	1.5	.20	.13	.09	.06
647	USR1C220MDA	16	22	4 X 7	1.5	.22	.14	.09	.06
647	USR1C330MDA	16	33	5 X 7	2	.27	.17	.11	.08
647	USR1C470MDA	16	47	5 X 7	2	.27	.17	.11	.08
647	USR1C101MDA	16	100	6.3 X 7	2.5	.27	.18	.13	.09
647	USR1E100MDA	25	10	4 X 7	1.5	.22	.14	.09	.06
647	USR1E220MDA	25	22	5 X 7	2	.25	.15	.10	.07

DIMENSIONS (mm)



MOUSER STOCK NO.		WVDC	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	500
647	USR1E330MDA	25	33	5 X 7	2	.24	.16	.11	.08
647	USR1E470MDA	25	47	6.3 X 7	2.5	.27	.18	.13	.09
647	USR1V4R7MDA	35	4.7	4 X 7	1.5	.20	.13	.09	.06
647	USR1V100MDA	35	10	4 X 7	1.5	.24	.15	.10	.07
647	USR1V220MDA	35	22	5 X 7	2	.24	.16	.11	.08
647	USR1V330MDA	35	33	6.3 X 7	2.5	.27	.18	.13	.09
647	USR1V470MCA	35	47	8 X 7	3.5	.32	.23	.17	.12
647	USR1HR1MDA	50	.1	4 X 7	1.5	.21	.13	.09	.06
647	USR1HR22MDA	50	.22	4 X 7	1.5	.21	.13	.09	.06
647	USR1HR33MDA	50	.33	4 X 7	1.5	.21	.13	.09	.06
647	USR1HR47MDA	50	.47	4 X 7	1.5	.21	.13	.09	.06
647	USR1H010MDA	50	1	4 X 7	1.5	.21	.13	.09	.06
647	USR1H2R2MDA	50	2.2	4 X 7	1.5	.21	.13	.09	.06
647	USR1H3R3MDA	50	3.3	4 X 7	1.5	.21	.13	.09	.06
647	USR1H4R7MDA	50	4.7	4 X 7	1.5	.21	.14	.09	.06
647	USR1H100MDA	50	10	5 X 7	2	.27	.17	.11	.08
647	USR1H220MDA	50	22	6.3 X 7	2.5	.27	.18	.13	.09
647	USR1H330MCA	50	33	8 X 7	3.5	.32	.23	.17	.12

Nichicon Aluminum Capacitors

nichicon UVP BI-POLAR SERIES

Specifications:

- Operating temperature range: -40°C ~ +80°C
- Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 6800µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 5 minutes application of rated voltage, leakage current is no more than 0.03CV or 3µA, whichever is greater.

Features:

- Standard bi-polarized series for entertainment electronics
- Ideal for circuits where reverse voltage is applied when switches are turned off or on where the polarity is not constant

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Load Life:

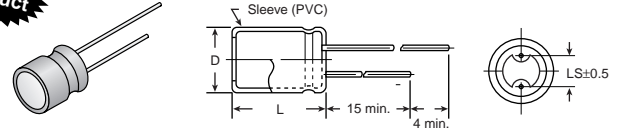
After 2000 hours application of rated voltage at 85°C with the polarity inverted every 250 hours, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		WVDC	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	500
647	UVP0J330MDA	6.3	33	5 x 11	2.0	.26	.19	.13	.11
647	UVP0J101MEA	6.3	100	6.3 x 11	2.5	.30	.23	.15	.13
647	UVP0J221MPA	6.3	220	8 x 11.5	3.5	.36	.27	.18	.15
647	UVP0J331MPA	6.3	330	8 x 11.5	3.5	.43	.32	.22	.18
647	UVP0J471MPA	6.3	470	10 x 12.5	5.0	.61	.46	.30	.25
647	UVP0J102MPA	6.3	1000	10 x 20	5.0	.72	.54	.36	.30
647	UVP0J222MHA	6.3	2200	12.5 x 25	5.0	1.11	.83	.55	.46
647	UVP0J332MHA	6.3	3300	16 x 25	7.5	1.45	1.09	.72	.60
647	UVP0J472MHA	6.3	4700	16 x 31.5	7.5	1.83	1.37	.91	.76
647	UVP0J682MHA	6.3	6800	18 x 35.5	7.5	2.58	1.94	1.29	1.08
647	UVP1A220MDA	10	22	5 x 11	2.0	.26	.19	.13	.11
647	UVP1A470MDA	10	47	5 x 11	2.0	.30	.23	.15	.13
647	UVP1A101MEA	10	100	6.3 x 11	2.5	.34	.26	.17	.14
647	UVP1A221MPA	10	220	8 x 11.5	3.5	.43	.32	.22	.18
647	UVP1A331MPA	10	330	10 x 16	5.0	.61	.46	.30	.25
647	UVP1A471MPA	10	470	10 x 16	5.0	.61	.46	.30	.25
647	UVP1A102MHA	10	1000	12.5 x 20	5.0	.87	.65	.43	.36
647	UVP1A222MHA	10	2200	16 x 25	7.5	1.42	1.07	.71	.59
647	UVP1A332MHA	10	3300	16 x 31.5	7.5	1.84	1.38	.92	.77
647	UVP1A472MHA	10	4700	18 x 35.5	7.5	2.60	1.95	1.30	1.08
647	UVP1C100MDA	16	10	5 x 11	2.0	.26	.19	.13	.11
647	UVP1C220MDA	16	22	5 x 11	2.0	.30	.23	.15	.13
647	UVP1C330MDA	16	33	5 x 11	2.0	.30	.23	.15	.13
647	UVP1C470MEA	16	47	6.3 x 11	2.5	.30	.23	.15	.13
647	UVP1C101MPA	16	100	8 x 11.5	3.5	.36	.27	.18	.15
647	UVP1C221MPA	16	220	10 x 12.5	5.0	.61	.46	.30	.25
647	UVP1C331MPA	16	330	10 x 16	5.0	.61	.46	.30	.25
647	UVP1C471MPA	16	470	10 x 20	5.0	.72	.54	.36	.30
647	UVP1C102MHA	16	1000	12.5 x 25	5.0	1.12	.84	.56	.47
647	UVP1C222MHA	16	2200	16 x 31.5	7.5	1.93	1.45	.97	.80
647	UVP1C332MHA	16	3300	18 x 35.5	7.5	2.78	2.09	1.39	1.16
647	UVP1E100MDA	25	10	5 x 11	2.0	.26	.19	.13	.11
647	UVP1E220MEA	25	22	6.3 x 11	2.5	.30	.23	.15	.13
647	UVP1E330MEA	25	33	6.3 x 11	2.5	.34	.26	.17	.14
647	UVP1E470MEA	25	47	6.3 x 11	2.5	.36	.27	.18	.15
647	UVP1E101MPA	25	100	8 x 11.5	3.5	.43	.32	.22	.18
647	UVP1E221MPA	25	220	10 x 16	5.0	.72	.54	.36	.30
647	UVP1E331MHA	25	330	12.5 x 20	5.0	.87	.65	.43	.36
647	UVP1E471MHA	25	470	12.5 x 20	5.0	1.03	.77	.52	.43
647	UVP1E102MHA	25	1000	16 x 25	7.5	1.42	1.07	.71	.59
647	UVP1E222MHA	25	2200	18 x 35.5	7.5	2.88	2.16	1.44	1.20
647	UVP1V4R7MDA	35	4.7	5 x 11	2.0	.26	.19	.13	.11

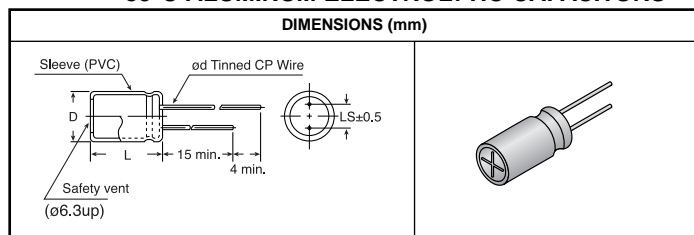
DIMENSIONS (mm)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		WVDC	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
Mfr.	Mfr. Part Number					1	10	100	500
647	UVP1V100MDA	35	10	5 x 11	2.0	.30	.23	.15	.13
647	UVP1V220MEA	35	22	6.3 x 11	2.5	.34	.26	.17	.14
647	UVP1V330MPA	35	33	8 x 11.5	3.5	.34	.26	.17	.14
647	UVP1V470MPA	35	47	8 x 11.5	3.5	.43	.32	.22	.18
647	UVP1V101MPA	35	100	10 x 16	5.0	.61	.46	.30	.25
647	UVP1V221MHA	35	220	12.5 x 20	5.0	.87	.65	.43	.36
647	UVP1V331MHA	35	330	12.5 x 20	5.0	1.03	.77	.52	.43
647	UVP1V471MHA	35	470	12.5 x 25	5.0	1.12	.84	.56	.47
647	UVP1V102MHA	35	1000	16 x 31.5	7.5	1.93	1.44	.96	.80
647	UVP1HR47MDA	50	0.47	5 x 11	2.0	.26	.19	.13	.11
647	UVP1H010MDA	50	1	5 x 11	2.0	.26	.19	.13	.11
647	UVP1H2R2MDA	50	2.2	5 x 11	2.0	.26	.19	.13	.11
647	UVP1H3R3MDA	50	3.3	5 x 11	2.0	.26	.19	.13	.11
647	UVP1H4R7MDA	50	4.7	5 x 11	2.0	.30	.23	.15	.13
647	UVP1H100MEA	50	10	6.3 x 11	2.5	.30	.23	.15	.13
647	UVP1H220MPA	50	22	8 x 11.5	3.5	.34	.26	.17	.14
647	UVP1H330MPA	50	33	8 x 11.5	3.5	.43	.32	.22	.18
647	UVP1H470MPA	50	47	10 x 12.5	5.0	.61	.46	.30	.25
647	UVP1H101MPA	50	100	10 x 20	5.0	.87	.65	.43	.36
647	UVP1H221MHA	50	220	12.5 x 25	5.0	1.12	.84	.56	.47
647	UVP1H331MHA	50	330	16 x 25	7.5	1.42	1.07	.71	.59
647	UVP1H471MHA	50	470	16 x 31.5	7.5	1.69	1.27	.85	.71
647	UVP1J4R7MCA	63	3.3	5 x 11	2.0	.30	.23	.15	.13
647	UVP1J4R7MEA	63	4.7	6.3 x 11	2.5	.30	.23	.15	.13
647	UVP1J100MEA	63	10	6.3 x 11	2.5	.35	.26	.18	.15
647	UVP1J220MPA	63	22	8 x 11.5	3.5	.43	.32	.22	.18
647	UVP1J330MPA	63	33	10 x 12.5	5.0	.61	.46	.30	.25
647	UVP1J470MPA	63	47	10 x 16	5.0	.72	.54	.36	.30
647	UVP1J101MHA	63	100	12.5 x 20	5.0	1.03	.77	.52	.43
647	UVP1J221MHA	63	220	16 x 25	7.5	1.45	1.09	.72	.60
647	UVP1J331MHA	63	330	16 x 31.5	7.5	1.67	1.25	.83	.69
647	UVP1J471MHA	63	470	18 x 35.5	7.5	1.4			

nichicon 85°C ALUMINUM ELECTROLYTIC CAPACITORS



Specifications:

- Operating temperature range: -40°C ~ +85°C (6.3 ~ 400V), -25°C ~ +85°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Leakage Current

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40µA or less.
After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.	After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100µA or less.

UVR Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
				1	10	100	500
6.3 Volt							
647-UVR0J101MDA	100	5 x 11	2.0	.18	.11	.08	.05
647-UVR0J221MDA	220	5 x 11	2.0	.23	.15	.10	.07
647-UVR0J331MEA	330	6.3 x 11	2.5	.24	.16	.11	.08
647-UVR0J471MEA	470	6.3 x 11	2.5	.29	.19	.13	.09
647-UVR0J102MHA	1000	8 x 11.5	3.5	.34	.25	.18	.13
647-UVR0J222MHA	2200	10 x 20	5.0	.53	.40	.28	.20
647-UVR0J332MHA	3300	10 x 20	5.0	.64	.48	.35	.25
647-UVR0J472MHA	4700	12.5 x 20	5.0	.92	.69	.51	.37
647-UVR0J682MHA	6800	12.5 x 25	5.0	1.17	.88	.66	.47
647-UVR0J103MHA	10000	16 x 25	7.5	1.67	1.25	.94	.67
647-UVR0J153MHA	15000	16 x 35.5	7.5	2.09	1.58	1.19	.89
647-UVR0J223MHA	22000	18 x 40	7.5	2.99	2.26	1.71	1.28
10 Volt							
647-UVR1A101MDA	100	5 x 11	2.0	.18	.12	.08	.05
647-UVR1A221MEA	220	6.3 x 11	2.5	.26	.16	.11	.07
647-UVR1A331MEA	330	6.3 x 11	2.5	.29	.19	.13	.09
647-UVR1A471MEA	470	6.3 x 11	2.5	.32	.22	.16	.11
647-UVR1A102MHA	1000	10 x 12.5	5.0	.38	.28	.20	.14
647-UVR1A222MHA	2200	10 x 20	5.0	.59	.44	.32	.23
647-UVR1A332MHA	3300	12.5 x 20	5.0	.93	.69	.51	.37
647-UVR1A472MHA	4700	12.5 x 25	5.0	1.16	.87	.65	.46
647-UVR1A682MHA	6800	16 x 25	7.5	1.55	1.16	.87	.62
647-UVR1A103MHA	10000	16 x 35.5	7.5	1.87	1.41	1.06	.80
647-UVR1A153MHA	15000	18 x 35.5	7.5	2.88	2.18	1.64	1.23
16 Volt							
647-UVR1C100MDA	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1C220MDA	22	5 x 11	2.0	.16	.14	.07	.05
647-UVR1C330MDA	33	5 x 11	2.0	.16	.10	.07	.05
647-UVR1C470MDA	47	5 x 11	2.0	.16	.10	.07	.05
647-UVR1C101MDA	100	5 x 11	2.0	.21	.13	.09	.06
647-UVR1C221MEA	220	6.3 x 11	2.5	.26	.17	.12	.08
647-UVR1C331MHA	330	8 x 11.5	3.5	.30	.20	.14	.10
647-UVR1C471MHA	470	8 x 11.5	3.5	.30	.22	.16	.12
647-UVR1C102MHA	1000	10 x 16	5.0	.51	.37	.27	.19
647-UVR1C222MHA	2200	12.5 x 20	5.0	.88	.66	.48	.35
647-UVR1C332MHA	3300	12.5 x 25	5.0	1.14	.86	.64	.45
647-UVR1C472MHA	4700	16 x 25	7.5	1.42	1.06	.79	.57
647-UVR1C682MHA	6800	16 x 35.5	7.5	1.90	1.44	1.09	.82
647-UVR1C103MHA	10000	18 x 35.5	7.5	2.84	2.15	1.62	1.22
25 Volt							
647-UVR1E100MDA	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1E220MDA	22	5 x 11	2.0	.18	.11	.08	.05
647-UVR1E330MDA	33	5 x 11	2.0	.17	.11	.07	.05
647-UVR1E470MDA	47	5 x 11	2.0	.18	.12	.08	.06
647-UVR1E101MEA	100	6.3 x 11	2.5	.26	.16	.11	.07
647-UVR1E221MHA	220	8 x 11.5	3.5	.32	.22	.15	.11
647-UVR1E331MHA	330	10 x 12.5	5.0	.30	.22	.16	.12
647-UVR1E471MHA	470	10 x 12.5	5.0	.40	.30	.21	.15
647-UVR1E102MHA	1000	10 x 20	5.0	.60	.45	.33	.24
647-UVR1E222MHA	2200	12.5 x 25	5.0	1.02	.76	.57	.41
647-UVR1E332MHA	3300	16 x 25	7.5	1.50	1.13	.85	.60
647-UVR1E472MHA	4700	16 x 31.5	7.5	2.02	1.53	1.16	.87
647-UVR1E682MHA	6800	18 x 35.5	7.5	2.97	2.25	1.70	1.27
35 Volt							
647-UVR1V100MDA	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1V220MDA	22	5 x 11	2.0	.18	.11	.08	.05
647-UVR1V330MDA	33	5 x 11	2.0	.20	.13	.09	.06
647-UVR1V470MDA	47	5 x 11	2.0	.20	.13	.09	.06
647-UVR1V101MEA	100	6.3 x 11	2.5	.26	.17	.12	.08
647-UVR1V221MHA	220	10 x 12.5	5.0	.30	.22	.16	.12
647-UVR1V331MHA	330	10 x 12.5	5.0	.43	.32	.23	.16
647-UVR1V471MHA	470	10 x 16	5.0	.50	.37	.26	.19
647-UVR1V102MHA	1000	12.5 x 20	5.0	.92	.68	.50	.36
647-UVR1V222MHA	2200	16 x 25	7.5	1.51	1.13	.85	.60
647-UVR1V332MHA	3300	16 x 35.5	7.5	2.06	1.56	1.18	.88
647-UVR1V472MHA	4700	18 x 35.5	7.5	3.09	2.34	1.76	1.32
50 Volt							
647-UVR1HR33MDA	0.33	5 x 11	2.0	.18	.11	.08	.05
647-UVR1HR47MDA	0.47	5 x 11	2.0	.19	.12	.08	.05
647-UVR1H010MDA	1.0	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H2R2MDA	2.2	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H3R3MDA	3.3	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H4R7MDA	4.7	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H100MDA	10	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H200MDA	22	5 x 11	2.0	.17	.11	.07	.05
647-UVR1H330MDA	33	5 x 11	2.0	.11	.13	.09	.06
647-UVR1H470MEA	47	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR1H101MHA	100	8 x 11.5	3.5	.30	.20	.14	.10
647-UVR1H21MHA	220	10 x 12.5	5.0	.40	.30	.21	.16

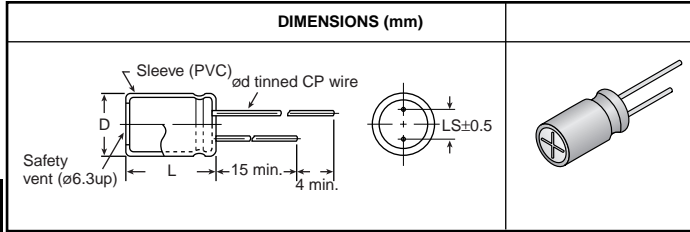
Load Life: After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tanδ	200% or less of initial specified value
Leakage current	Initial specified value or less

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
				1	10	100	500
6.3 Volt							
647-UVR1H331MHA	330	10 x 16	5.0	.53	.39	.29	.21
647-UVR1H471MHA	470	12.5 x 20	5.0	.63	.47	.34	.25
647-UVR1H102MHA	1000	12.5 x 25	5.0	1.09	.82	.61	.44
647-UVR1H222MHA	2200	16 x 35.5	7.5	2.06	1.56	1.18	.88
647-UVR1H332MHA	3300	18 x 35.5	7.5	3.25	2.46	1.86	1.39
63 Volt							
647-UVR1J100MDA	10	5 x 11	2.0	.20	.13	.09	.06
647-UVR1J220MDA	22	5 x 11	2.0	.22	.14	.09	.06
647-UVR1J330MEA	33	6.3 x 11	2.5	.23	.16	.11	.08
647-UVR1J470MEA	47	6.3 x 11	2.5	.30	.21	.14	.10
647-UVR1J101MHA	100	10 x 12.5	5.0	.33	.24	.17	.13
647-UVR1J221MHA	220	10 x 16	5.0	.53	.40	.29	.21
647-UVR1J331MHA	330	10 x 20	5.0	.70	.53	.39	.28
647-UVR1J471MHA	470	12.5 x 20	5.0	1.01	.76	.57	.40
647-UVR1J102MHA	1000	16 x 25	7.5	1.85	1.39	1.04	.74
647-UVR1J222MHA	2200	18 x 35.5	7.5	3.23	2.45	1.85	1.39
100 Volt							
647-UVR2A0R1MDA	0.1	5 x 11	2.0	.20	.13	.09	.06
647-UVR2AR22MDA	0.22	5 x 11	2.0	.20	.13	.09	.06
647-UVR2AR33MDA	0.33	5 x 11	2.0	.20	.13	.09	.06
647-UVR2AR47MDA	0.47	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A010MDA	1.0	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A2R2MDA	2.2	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A3R3MDA	3.3	5 x 11	2.0	.19	.12	.08	.06
647-UVR2A4R7MDA	4.7	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A100MEA	10	6.3 x 11	2.5	.26	.16	.11	.08
647-UVR2A220MEA	22	6.3 x 11	2.5	.32	.22	.15	.10
647-UVR2A330MHA	33	8 x 11.5	3.5	.38	.26	.18	.12
647-UVR2A470MHA	47	10 x 12.5	5.0	.36	.27	.19	.14
647-UVR2A101MHA	100	10 x 20	5.0	.58	.43	.32	.23
647-UVR2A221MHA	220	12.5 x 25	5.0	1.16	.87	.66	.46
647-UVR2A331MHA	330	12.5 x 25	5.0	1.51	1.14	.85	.61
647-UVR2A471MHA	470	16 x 25	7.5	1.98	1.50	1.13	.85
647-UVR2A102MHA	1000	18 x 40	7.5	3.75	2.84	2.14	1.61
160 Volt							
647-UVR2C010MEA	1.0	6.3 x 11	2.5	.38	.26	.18	.13
647-UVR2C2R2MEA	2.2	6.3 x 11	2.5	.39	.27	.19	.14
647-UVR2C4R7MEA	4.7	6.3 x 11	2.5	.39	.27	.19	.14
647-UVR2C100MHA	10	8 x 11.5	3.5	.49	.36	.26	.19
647-UVR2C220MHA	22	10 x 16	5.0	.56	.42	.31	.25
647-UVR2C330MHA	33	10 x 20	5.0	.85	.63	.46	.33
647-UVR2C470MHA	47	12.5 x 20	5.0	1.05	.79	.60	.42
647-UVR2C101MHA	100	12.5 x 25	5.0	1.57	1.18	.88	.63
647-UVR2C221MHA	220	16 x 35.5	7.5	2.39	1.81	1.37	1.03
647-UVR2C331MHA	330	18 x 40	7.5	3.34	2.53	1.91	1.43
647-UVR2C471MHA	470	22 x 40	10.0	4.30	3.26	2.46	1.84
250 Volt							
647-UVR2E010MEA	1.0	6.3 x 11	2.5	.31	.23	.16	.11
647-UVR2E010MHA	1.0	6.3 x 11	2.5	.31	.23	.16	.11
647-UVR2E2R2MEA	2.2	6.3 x 11	2.5	.36	.26	.19	.14
647-UVR2E3R3MHA	3.3	8 x 11.5	3.5	.44	.33	.23	.17
647-UVR2E4R7MHA	4.7	8 x 11.5	3.5	.43	.32	.22	.16
647-UVR2E100MHA	10	10 x 16	5.0	.52	.39	.28	.21
647-UVR2E220MHA	22	12.5 x 20	5.0	.86	.64	.47	.30
647-UVR2E330MHA	33	12.5 x 20	5.0	1.14	.85	.64	.46
647-UVR2E470MHA	47	12.5 x 25	5.0	1.51	1.36	.85	.60
647-UVR2E101MHA	100	16 x 31.5	7.5	2.48	1.87	1.41	1.06
647-UVR2E221MHA	220	20 x 40	10.0	3.37	3.27	2.47	1.85
350 Volt							
647-UVR2V010MEA	1.0	6.3 x 11	2.5	.37	.25	.17	.12
647-UVR2V2R2MHA	2.2	8 x 11.5	3.5	.47	.33	.22	.15
647-UVR2V3R3MHA	3.3	10 x 12.5	5.0	.67	.46	.32	.21
647-UVR2V4R7MHA	4.7	10 x 12.5	5.0	.67	.46	.32	.21
647-UVR2V100MHA	10	10 x 20	5.0	.96	.67	.46	.31
647-UVR2V220MHA	22	12.5 x 25	5.0	1.14	.85	.64	.4

nichicon HIGH TEMPERATURE RADIAL ELECTROLYTIC CAPACITORS



Leakage Current:

6.3V - 100V	160V - 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40μA or less.
After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.	After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100μA or less.

Load Life:

After 1000 hours application of rated voltage at 105°C, capacitors meet the characteristics requirements listed at right.

Capacitance change	Within ±20% of initial value
tan δ	200% or less of initial specified value
Leakage current	Initial specified value or less

Shelf Life:

After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for load life characteristics listed above.

UVZ Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
				1	10	100	500
6.3 Volt							
647-UVZ0J101MDH	100uF	5 x 11	2.0	.27	.17	.12	.08
647-UVZ0J221MDH	220uF	5 x 11	2.0	.26	.17	.12	.08
647-UVZ0J331MEH	330uF	6.3 x 11	2.5	.33	.22	.16	.11
647-UVZ0J471MEH	470uF	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ0J102MPH	1000uF	8 x 11.5	3.5	.47	.35	.25	.18
647-UVZ0J222MPH	2200uF	10 x 20	5.0	.67	.50	.37	.27
647-UVZ0J332MPH	3300uF	10 x 20	5.0	.93	.69	.51	.37
647-UVZ0J472MHH	4700uF	12.5 x 20	5.0	1.05	.79	.59	.42
647-UVZ0J682MHH	6800uF	12.5 x 25	5.0	1.43	1.07	.80	.57
647-UVZ0J103MHH	10000uF	16 x 25	7.5	1.79	1.35	1.02	.77
647-UVZ0J153MHH	15000uF	16 x 35.5	7.5	2.56	1.94	1.46	1.10
647-UVZ0J223MHH	22000uF	18 x 40	7.5	3.66	2.77	2.09	1.57
10 Volt							
647-UVZ1A101MDH	100uF	5 x 11	2.0	.23	.15	.11	.07
647-UVZ1A221MEH	220uF	6.3 x 11	2.5	.29	.20	.14	.10
647-UVZ1A331MEH	330uF	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ1A471MEH	470uF	6.3 x 11	2.5	.39	.29	.20	.15
647-UVZ1A102MPH	1000uF	10 x 12.5	5.0	.54	.40	.30	.21
647-UVZ1A222MPH	2200uF	10 x 20	5.0	.86	.64	.47	.34
647-UVZ1A332MHH	3300uF	12.5 x 20	5.0	1.01	.75	.56	.40
647-UVZ1A472MHH	4700uF	12.5 x 25	5.0	1.35	1.01	.76	.54
647-UVZ1A682MHH	6800uF	16 x 25	7.5	1.89	1.42	1.07	.76
647-UVZ1A103MHH	10000uF	16 x 35.5	7.5	2.28	1.73	1.30	.98
647-UVZ1A153MHH	15000uF	18 x 35.5	7.5	3.52	2.67	2.01	1.51
16 Volt							
647-UVZ1C470MDH	47mF	5 x 11	2.0	.27	.17	.12	.08
647-UVZ1C101MDH	100uF	5 x 11	2.0	.26	.17	.12	.08
647-UVZ1C221MEH	220uF	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ1C331MPH	330uF	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ1C471MPH	470uF	8 x 11.5	3.5	.48	.35	.25	.18
647-UVZ1C102MPH	1000uF	10 x 16	5.0	.67	.50	.37	.26
647-UVZ1C222MHH	2200uF	12.5 x 20	5.0	1.05	.79	.59	.42
647-UVZ1C332MHH	3300uF	12.5 x 25	5.0	1.46	1.09	.82	.58
647-UVZ1C472MHH	4700uF	16 x 25	7.5	1.75	1.32	1.00	.75
647-UVZ1C682MHH	6800uF	16 x 35.5	7.5	2.38	1.80	1.36	1.02
647-UVZ1C103MHH	10000uF	18 x 35	7.5	3.49	2.64	1.99	1.49
25 Volt							
647-UVZ1E470MDH	47uF	5 x 11	2.0	.23	.15	.11	.07
647-UVZ1E101MEH	100uF	6.3 x 11	2.5	.29	.20	.14	.10
647-UVZ1E221MPH	220uF	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ1E331MPH	330uF	10 x 12.5	5.0	.48	.35	.25	.18
647-UVZ1E471MPH	470uF	10 x 12.5	5.0	.57	.43	.31	.23
647-UVZ1E102MPH	1000uF	10 x 20	5.0	.92	.68	.50	.36
647-UVZ1E222MHH	2200uF	12.5 x 25	5.0	1.39	1.04	.78	.55
647-UVZ1E332MHH	3300uF	16 x 25	7.5	1.72	1.30	.98	.74
647-UVZ1E472MHH	4700uF	16 x 31.5	7.5	2.52	1.91	1.44	1.08
647-UVZ1E682MHH	6800uF	18 x 35.5	7.5	3.64	2.76	2.08	1.56
35 Volt							
647-UVZ1V330MDH	33uF	5 x 11	2.0	.23	.15	.11	.07
647-UVZ1V470MDH	47uF	5 x 11	2.0	.26	.17	.12	.08
647-UVZ1V101MEH	100uF	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ1V221MPH	220uF	10 x 12.5	5.0	.48	.35	.25	.18
647-UVZ1V331MPH	330uF	10 x 12.5	5.0	.57	.43	.31	.23
647-UVZ1V471MPH	470uF	10 x 16	5.0	.71	.53	.39	.28

Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3 - 100V), -40°C ~ +105°C (60 - 400V), -25°C ~ +105°C (450V)
- Voltage range: 6.3 - 450V
- Capacitance range: 0.1 - 33000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Small case sizes as VR series, but operating over wide temperature range of -55°C ~ 105°C

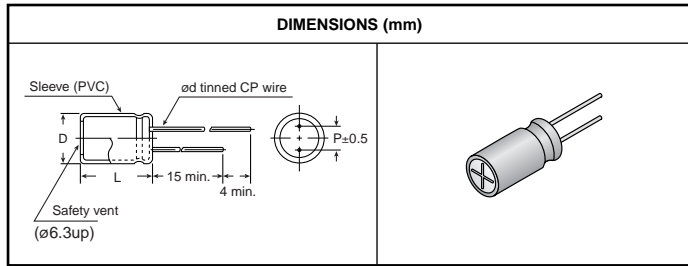
Application note:

- A higher voltage capacitor may be used in a lower voltage application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
				1	10	100	500
647-UVZ1V102MHH	1000uF	12.5 x 20	5.0	1.16	.87	.65	.46
647-UVZ1V222MHH	2200uF	16 x 25	7.5	1.81	1.37	1.03	.77
647-UVZ1V332MHH	3300uF	16 x 35.5	7.5	2.57	1.94	1.47	1.10
647-UVZ1V472MHH	4700uF	18 x 35.5	7.5	3.85	2.92	2.20	1.65
50 Volt							
647-UVZ1H0R1MDH	.1uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1HR22MDH	.22uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1HR33MDH	.33uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1HR47MDH	.47uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1H010MDH	1uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1H2R2MDH	2.2uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1H3R3MDH	3.3uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1H4R7MDH	4.7uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1H100MDH	10uF	5 x 11	2.0	.27	.17	.11	.08
647-UVZ1H220MDH	22uF	5 x 11	2.0	.23	.15	.11	.07
647-UVZ1H330MDH	33uF	5 x 11	2.0	.26	.17	.12	.08
647-UVZ1H470MEH	47uF	6.3 x 11	2.5	.30	.21	.14	.10
647-UVZ1H101MPH	100uF	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ1H221MPH	220uF	10 x 12.5	5.0	.57	.43	.31	.23
647-UVZ1H331MPH	330uF	10 x 16	5.0	.76	.57	.42	.30
647-UVZ1H471MHH	470uF	12.5 x 20	5.0	.99	.73	.54	.39
647-UVZ1H102MHH	1000uF	12.5 x 25	5.0	1.53	1.15	.86	.61
647-UVZ1H222MHH	2200uF	16 x 35.5	7.5	2.57	1.94	1.47	1.10
647-UVZ1H332MHH	3300uF	18 x 35.5	7.5	4.19	2.98	2.25	1.69
63 Volt							
647-UVZ1J100MDH	10uF	5 x 11	2.0	.25	.17	.12	.08
647-UVZ1J220MDH	22uF	5 x 11	2.0	.26	.17	.12	.08
647-UVZ1J330MEH	33uF	6.3 x 11	2.5	.33	.22	.16	.11
647-UVZ1J470MEH	47uF	6.3 x 11	2.5	.35	.26	.19	.13
647-UVZ1J101MPH	100uF	10 x 12.5	5.0	.49	.36	.26	.19
647-UVZ1J221MPH	220uF	10 x 16	5.0	.75	.56	.41	.30
647-UVZ1J331MPH	330uF	10 x 20	5.0	.99	.74	.54	.39
647-UVZ1J471MHH	470uF	12.5 x 20	5.0	1.23	.92	.69	.49
647-UVZ1J102MHH	1000uF	16 x 25	7.5	1.99	1.50	1.13	.85
647-UVZ1J222MHH	2200uF	18 x 35.5	7.5	4.03	3.05	2.30	1.73
100 Volt							
647-UVZ2A47MDH	.47uF	5 x 11	2.0	.24	.16	.11	.08
647-UVZ2A010MDH	1uF	5 x 11	2.0	.24	.16	.11	.08
647-UVZ2A2R2MDH	2.2uF	5 x 11	2.0	.25	.17	.12	.08
647-UVZ2A3R3MDH	3.3uF	5 x 11	2.0	.25	.17	.12	.08
647-UVZ2A4R7MDH	4.7uF	5 x 11	2.0	.25	.17	.12	.08
647-UVZ2A100MEH	10uF	6.3 x 11	2.5	.32	.22	.16	.11
647-UVZ2A220MEH	22uF	6.3 x 11	2.5	.37	.28	.20	.14
647-UVZ2A330MPH	33uF	8 x 11.5	3.5	.47	.35	.25	.18
647-UVZ2A470MPH	47uF	10 x 12.5	5.0	.58	.42	.30	.22
647-UVZ2A101MPH	100uF	10 x 20	5.0	.91	.68	.50	.36
647-UVZ2A221MHH	220uF	12.5 x 25	5.0	1.38	1.03	.78	.55
647-UVZ2A331MHH	330uF	12.5 x 25	5.0	1.88	1.41	1.06	.75
647-UVZ2A471MHH	470uF	16 x 25	7.5	2.39	1.81	1.37	1.02
647-UVZ2A102MHH	1000uF	18 x 40	7.5	4.86	3.68	2.78	2.06
160 Volt							
647-UVZ2C010MEH	1uF	6.3 x 11	2.5	.38	.28	.20	.15
647-UVZ2C2R2MEH	2.2uF	6.3 x 11	2.5	.43	.32	.23	.16
647-UVZ2C3R3MEH	3.3uF	6.3 x 11	2.5	.46	.34	.24	.17
647-UVZ2C4R7MEH	4.7uF	6.3 x 11	2.5	.50	.37	.26	.19
647-UVZ2C100MPH	10uF	8 x 11.5	3.5	.59	.44	.32	.23
647-UVZ2C220MPH	22uF	10 x 16	5.0	.83	.62	.45	.33
647-UVZ2C330MPH	33uF	10 x 20	5.0	.95	.72	.54	.38
647-UVZ2C470MHH	47uF	12.5 x 20	5.0	1.24	.93	.70	.50
647-UVZ2C101MHH	100uF	12.5 x 25	5.0	1.84	1.38	1.03	.74
647-UVZ2C221MHH	220uF	16 x 35.5	7.5	2.75	2.07	1.57	1.17
647-UVZ2C331MHH	330uF	18 x 40	7.5	4.12	3.12	2.35	1.77
200 Volt							
647-UVZ2D010MEH	1uF	6.3 x 11	2.5	.46	.34	.24	.17
647-UVZ2D2R2MEH	2.2uF	6.3 x 11	2.5	.48	.35	.25	.18
647-UVZ2D3R3MEH	3.3uF	6.3 x 11	3.5	.53	.40	.29	.21
647-UVZ2D4R7MEH	4.7uF	8 x 11.5	3.5	.62	.46	.34	.24
647-UVZ2D100MPH	10uF	10 x 12.5	5.0	.82	.61	.45	.32

LOW IMPEDANCE ALUMINUM ELECTROLYTIC CAPACITORS



Frequency coefficient of allowable ripple current

V	Cap. (µF)	Frequency				
		50Hz	120Hz	300Hz	1kHz	10kHz ~
6.3 ~ 100	~ 47	0.20	0.30	0.50	0.80	1.00
	68 ~ 330	0.55	0.65	0.75	0.85	1.00
	390 ~ 1000	0.70	0.75	0.80	0.90	1.00
	1200 ~ 15000	0.80	0.85	0.90	0.95	1.00

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

UPW Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
6.3 Volt									
647-UPW0J221MEH	220	0.25	290	6.3 x 11	2.5	.32	.24	.17	.14
647-UPW0J331MEH	330	0.25	290	6.3 x 11	2.5	.37	.29	.20	.17
647-UPW0J821MPH	820	0.085	730	8 x 15	3.5	.58	.45	.32	.26
647-UPW0J102MPH	1000	0.068	755	10 x 12.5	5.0	.64	.49	.35	.29
647-UPW0J122MPH	1200	0.065	995	8 x 20	3.5	.65	.51	.35	.30
647-UPW0J122MPH6	1200	0.068	1050	10 x 16	5.0	.65	.51	.35	.30
647-UPW0J152MPH	1500	0.052	1220	10 x 20	5.0	.78	.60	.42	.36
647-UPW0J222MPH6	2200	0.045	1440	10 x 25	5.0	1.02	.79	.56	.46
647-UPW0J332MHH	3300	0.038	1655	12.5 x 20	5.0	1.33	1.03	.73	.61
647-UPW0J392MHH	3900	0.03	1945	12.5 x 25	5.0	1.58	1.23	.86	.72
647-UPW0J472MHH	4700	0.022	2555	16 x 25	7.5	1.63	1.25	.89	.74
647-UPW0J472MHH6	4700	0.025	2310	12.5 x 31.5	5.0	1.63	1.25	.89	.74
647-UPW0J562MHH	5600	0.022	2510	12.5 x 35.5	5.0	2.04	1.58	1.11	.93
647-UPW0J682MHH	6800	0.022	2555	16 x 25	7.5	2.09	1.62	1.14	.95
647-UPW0J682MHH6	6800	0.028	2490	18 x 20	7.5	2.09	1.62	1.14	.95
647-UPW0J103MHH	10000	0.016	3150	16 x 31.5	7.5	3.03	2.34	1.65	1.38
647-UPW0J103MHH6	10000	0.02	2740	18 x 25	7.5	3.03	2.34	1.65	1.38
647-UPW0J153MHH	15000	0.015	3680	18 x 35.5	7.5	3.74	2.89	2.04	1.70
10 Volt									
647-UPW1A220MDH	22	0.6	180	5 x 11	2.0	.22	.17	.12	.10
647-UPW1A820MDH	82	0.6	180	5 x 11	2.0	.25	.19	.14	.11
647-UPW1A101MDH	100	0.6	180	5 x 11	2.0	.25	.19	.14	.11
647-UPW1A221MEH	220	0.25	290	6.3 x 11	2.5	.39	.30	.21	.18
647-UPW1A471MPH	470	0.117	555	8 x 11.5	3.5	.56	.43	.31	.26
647-UPW1A681MPH	680	0.09	755	10 x 12.5	5.0	.58	.45	.32	.26
647-UPW1A681MPH6	680	0.085	730	8 x 15	3.5	.58	.45	.32	.26
647-UPW1A102MPH	1000	0.068	1050	10 x 16	5.0	.79	.61	.43	.36
647-UPW1A102MPH6	1000	0.065	995	8 x 20	3.5	.79	.61	.43	.36
647-UPW1A122MPH	1200	0.052	1220	10 x 20	5.0	.88	.68	.48	.40
647-UPW1A152MPH6	1500	0.045	1440	10 x 25	5.0	.91	.71	.50	.42
647-UPW1A222MHH	2200	0.038	1655	12.5 x 20	5.0	1.29	1.00	.71	.59
647-UPW1A272MHH	2700	0.03	1945	12.5 x 25	5.0	1.33	1.03	.73	.61
647-UPW1A332MHH	3300	0.03	1945	12.5 x 25	5.0	1.58	1.22	.86	.72
647-UPW1A332MHH6	3300	0.025	2310	12.5 x 31.5	5.0	1.58	1.22	.86	.72
647-UPW1A392MHH	3900	0.022	2510	12.5 x 35.5	5.0	1.63	1.25	.89	.74
647-UPW1A472MHH	4700	0.022	2555	16 x 25	7.5	2.04	1.58	1.11	.93
647-UPW1A562MHH6	5600	0.028	2490	18 x 20	7.5	2.88	2.22	1.57	1.31
647-UPW1A682MHH	6800	0.018	3010	16 x 31.5	7.5	3.03	2.34	1.65	1.38
647-UPW1A682MHH6	6800	0.02	2740	18 x 25	7.5	3.03	2.34	1.65	1.38
647-UPW1A103MHH	10000	0.015	3680	18 x 35.5	7.5	3.74	2.89	2.04	1.70
16 Volt									
647-UPW1C820MDH	82	0.5	235	5 x 15	2.0	.28	.22	.15	.13
647-UPW1C121MEH	120	0.25	290	6.3 x 11	2.0	.32	.24	.17	.14
647-UPW1C181MEH	180	0.23	430	6.3 x 15	2.5	.39	.30	.21	.18
647-UPW1C331MPH	330	0.117	555	8 x 11.5	2.5	.58	.45	.32	.26
647-UPW1C471MPH	470	0.09	755	10 x 12.5	3.5	.61	.47	.33	.28
647-UPW1C471MPH6	470	0.085	730	8 x 15	3.5	.61	.47	.33	.28
647-UPW1C681MPH	680	0.068	1050	10 x 16	3.5	.88	.68	.48	.40
647-UPW1C681MPH6	680	0.065	995	8 x 20	3.5	.88	.68	.48	.40
647-UPW1C821MPH	820	0.052	1220	10 x 20	3.5	.99	.77	.54	.45
647-UPW1C102MPH	1000	0.052	1220	10 x 20	5.0	.99	.77	.54	.45
647-UPW1C152MHH	1500	0.038	1655	12.5 x 20	5.0	1.38	1.06	.75	.63
647-UPW1C152MPH6	1500	0.035	1815	10 x 31.5	5.0	1.38	1.06	.75	.63
647-UPW1C222MHH	2200	0.03	1945	12.5 x 25	5.0	1.65	1.28	.90	.75
647-UPW1C272MHH	2700	0.025	2310	12.5 x 31.5	5.0	2.15	1.66	1.17	.98
647-UPW1C332MHH	3300	0.022	2555	16 x 25	7.5	2.20	1.70	1.20	1.00
647-UPW1C332MHH6	3300	0.022	2510	12.5 x 35.5	5.0	2.20	1.70	1.20	1.00
647-UPW1C392MHH	3900	0.022	2555	16 x 25	7.5	2.88	2.22	1.57	1.31
647-UPW1C472MHH	4700	0.018	3010	16 x 31.5	7.5	2.88	2.22	1.57	1.31
647-UPW1C472MHH6	4700	0.02	2740	18 x 25	7.5	2.88	2.22	1.57	1.31
647-UPW1C562MHH	5600	0.016	3150	16 x 35.5	7.5	3.03	2.34	1.65	1.38
647-UPW1C822MHH	8200	0.015	3680	18 x 35.5	7.5	3.74	2.89	2.04	1.70
25 Volt									
647-UPW1E470MDH	47	0.6	180	5 x 11	2.0	.31	.24	.17	.14
647-UPW1E560MDH	56	0.5	235	5 x 15	2.0	.31	.24	.17	.14
647-UPW1E101MEH	100	0.25	290	6.3 x 11	2.5	.41	.32	.23	.19
647-UPW1E121MEH	120	0.23	430	6.3 x 15	2.5	.42	.32	.23	.19
647-UPW1E221MPH	220	0.117	555	8 x 11.5	3.5	.58	.45	.32	.26
647-UPW1E331MPH	330	0.09	755	10 x 12.5	5.0	.65	.51	.35	.30
647-UPW1E331MPH6	330	0.085	730	8 x 15	3.5	.65	.51	.35	.30
647-UPW1E471MPH	470	0.068	1050	10 x 16	5.0	.88	.68	.48	.40
647-UPW1E471MPH6	470	0.065	995	8 x 20	3.5	.88	.68	.48	.40
647-UPW1E561MPH	560	0.052	1220	10 x 20	5.0	1.04	.80	.57	.48

Features:

- Low impedance and high reliability
- withstanding 5000 hour load life at + 105°C(3000/2000 hours for smaller case sizes as specified below:
 - 2000 hours: ØD 5-6.3
 - 3000 hours: ØD 8-10
 - 5000 hours: ØD 12-18

Specifications:

- Operating temperature range:
 - 55°C ~ +105°C (6.3 ~ 100V)
 - Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 15000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-UPW1E681MPH	680	0.052	1220	10 x 20	5.0	1.04	.80	.57	.48
647-UPW1E102MHH	1000	0.038	1655	12.5 x 20	5.0	1.35	1.04	.74	.61
647-UPW1E152MHH	1500	0.022	2555	16 x 25	7.5	1.65	1.28	.90	.75
647-UPW1E152MHH6	1500	0.03	1945	12.5 x 25	5.0	1.65	1.28	.90	.75
647-UPW1E182MHH	1800	0.025	2310	12.5 x 31.5	5.0	2.04	1.58	1.11	.93
647-UPW1E222MHH6	2200	0.028	2490	18 x 20	5.0	2.15	1.66	1.17	.98
647-UPW1E222MHH3	2200	0.022	2510	12.5 x 35.5	7.5	2.15	1.66	1.17	.98
647-UPW1E272MHH	2700	0.022	2555	16 x 25	7.5	2.75	2.13	1.50	1.25
647-UPW1E332MHH	3300	0.018	3010	16 x 31.5	7.5	2.89	2.23	1.58	1.32
647-UPW1E332MHH6	3300	0.02	2740	18 x 25	7.5	2.89	2.23	1.58	1.32
647-UPW1E472MHH	4700	0.015	3680	18 x 35.5	7.5	3.54	2.73	1.93	1.61
35 Volt									
647-UPW1V330MDH	33	0.6	180	5 x 11	2.0	.30	.24	.17	.14
647-UPW1V390MDH	39	0.5	235	5 x 15	2.0	.31	.24	.17	.14
647-UPW1V820MEH	82	0.23	430	6.3 x 15	2.5	.42	.32	.23	.19
647-UPW1V151MPH	150	0.117	555	8 x 11.5	3.5	.45	.35	.25	.21
647-UPW1V221MPH	220	0.09	755	10 x 12.5	5.0	.65	.51	.35	.30
647-UPW1V221MPH6	220	0.085	730	8 x 15	3.5	.65	.51	.35	.30
647-UPW1V331MPH	330	0.068	1050	10 x 16	5.0	.88	.68	.48	.40
647-UPW1V331MPH6	330	0.065	995	8 x 20	3.5	.88	.68	.48	.40
647-UPW1V391MPH	390	0.052	1220	10 x 20	5.0	1.12	.86	.61	.51
647-UPW1V471MPH	470	0.052	1220	10 x 20	5.0	1.12	.86	.61	.51
647-UPW1V681MHH	680	0.038	1655	12.5 x 20	5.0	1.38	1.06	.75	.63
647-UPW1V102MHH	1000	0.03	1945	12.5 x 25	5.0	1.71	1.32	.93	.78</

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

UNITED CHEMI-CON UCC MV/MVK SERIES SMD CAPACITORS

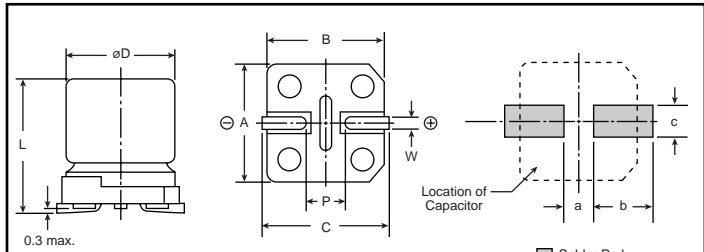
The MV and MVK series are the standard vertical chip capacitors designed for reflow soldering. The maximum height for most of these capacitors is 5.5mm, making them ideal for use in low profile situations.

Specifications:

- Operating Temperature range: -40°C to +85°C for MV Series, -40°C to +105°C for MVK Series
- Voltage Range: 4 to 63VDC for MV Series
- Voltage Range: 6.3 to 50VDC for MVK Series
- Capacitance Range: 0.1 to 1,000µF
- Capacitance Tolerance: +/- 20% at +20°C, 120Hz
- Rated Lifetime: 1000-2000 hours depending on case size

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Volt	Case Code	Price Each			
					1	100	500	1000
661-MV6.3VC101MF55TP	MV6.3VC101MF55TP	100	6.3	F55	.37	.26	.18	.15
661-MV6.3VC471MTP	MV6.3VC471M8X10TP	470	6.3	8 X 10	.55	.38	.27	.22
661-MV10VC101M	MV10VC101MF60TP	100	10	F60	.27	.19	.14	.11
661-MV16VC10RM	MV16VC10RMD55TP	10	16	D55	.17	.12	.09	.07
661-MV16VC101MF55TP	MV16VC101MF55TP	100	16	F55	.36	.25	.18	.15
661-MV16VC10RMD55TPX	MV16VC10RMD55TPX	10	16	D55	.16	.11	.08	.07
661-MV16VC331M8X10TP	MV16VC331M8X10TP	330	16	8 X 10	1.14	.80	.57	.47
661-MV16VC47RMF55TP	MV16VC47RMF55TP	47	16	F55	.19	.14	.10	.08
661-MV16VC22RM	MV16VC22RME55TP	22	16	E55	.46	.32	.23	.19
661-MV16VC68RM	MV16VC68RMF60TP	68	16	F60	.55	.38	.27	.22
661-MV16VC221M	MV16VC221M8X10TP	220	16	8 X 10	1.11	.78	.56	.46
661-MV16VC471M	MV16VC471M10X10TP	470	16	10 X 10	1.20	.84	.60	.49
661-MV25VC4R7MB55TP	MV25VC4R7MB55TP	4.7	25	B55	.15	.10	.07	.06
661-MV25VC22RM	MV25VC22RMF55TP	22	25	F55	.23	.16	.12	.10
661-MV25VC33RM	MV25VC33RMF55TP	33	25	F55	.22	.15	.11	.09
661-MV25VC47RM	MV25VC47RMF60TP	47	25	F60	.56	.39	.28	.23
661-MV25VC101M	MV25VC101M8X6TP	100	25	8 X 6	.97	.68	.49	.40
661-MV35VC10RME55TP	MV35VC10RME55TP	10	35	E55	.24	.17	.12	.10
661-MV35VC22RM	MV35VC22RMF55TP	22	35	F55	.23	.16	.12	.10
661-MV35VC47RM	MV35VC47RM8X6TP	47	35	8 X 6	.96	.67	.48	.39
661-MV50VCR10M	MV50VCR10MD55TP	0.1	50	D55	.32	.22	.16	.13
661-MV50VCR10RM	MV50VCR10RM55TP	1	50	B55	.45	.32	.23	.19
661-MV50VCR2RM	MV50VCR2RMD55TP	2.2	50	D55	.45	.32	.23	.19
661-MV50VC10RM	MV50VC10RMF55TP	10	50	F55	.23	.16	.11	.09
661-MV50VC101M	MV50VC101M10X10TP	100	50	10 X 10	1.20	.84	.60	.49
661-MV6.3VC331M	MV6.3VC331M8X10TP	330	6.3	8 X 10	.61	.43	.30	.25



Case and Solder Pad Dimensions

Case Code	ØD ±0.5	L	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
B55	ø3	5.2±0.3	3.3	3.3	3.7	0.45-0.75	0.8	0.8	2.2	1.6
D55	ø4	5.2±0.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E55	ø5	5.2±0.3	5.3	6.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	ø6.3	5.2±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F60	ø6.3	5.7±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
8x6	ø8	6.3±0.5	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
8x10	ø8	10±0.5	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
10x10	ø10	10±0.5	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Volt	Case Code	Price Each			
					1	100	500	1000
661-MVK16VC10RMD55TP	MVK16VC10RMD55TP	10	16	D55	.16	.11	.08	.06
661-MVK16VC47RMF55TP	MVK16VC47RMF55TP	47	16	F55	.48	.33	.24	.20
661-MVK25VC33RMF55TP	MVK25VC33RMF55TP	33	25	F55	.25	.18	.13	.10
661-MVK25VC101M	MVK25VC101M8X10TP	100	25	8 X 10	.15	.10	.07	.06
661-MVK35VC22RMF60TP	MVK35VC22RMF60TPX	22	35	F60	.29	.20	.14	.12
661-MVK35VC33RM	MVK35VC33RM8X6TP	33	35	8 X 6	.86	.60	.43	.35
661-MVK35VC47RM	MVK35VC47RM8X10TP	47	35	8 X 10	1.20	.84	.60	.49
661-MVK35VC101MTP	MVK35VC101M10X10TP	100	35	10 X 10	.90	.63	.45	.37
661-MVK35VC221MTP	MVK35VC221M10X10TP	220	35	10 X 10	.48	.34	.24	.20
661-MVK50VC1R0M	MVK50VC1R0MD55TP	1	50	D55	.25	.17	.12	.10
661-MVK50VC2R2M	MVK50VC2R2MD55TP	2.2	50	D55	.47	.33	.24	.19
661-MVK50VC10RM	MVK50VC10RMF55TP	10	50	F55	.46	.32	.23	.19
661-MVK50VC47RM8X10T	MVK50VC47RM8X10TP	47	50	8 X 10	.44	.31	.22	.18
661-MVK50VC101M10X10	MVK50VC101M10X10TP	100	50	10 X 10	.70	.49	.35	.29

UNITED CHEMI-CON UCC LXV SERIES RADIAL LEADED CAPACITORS

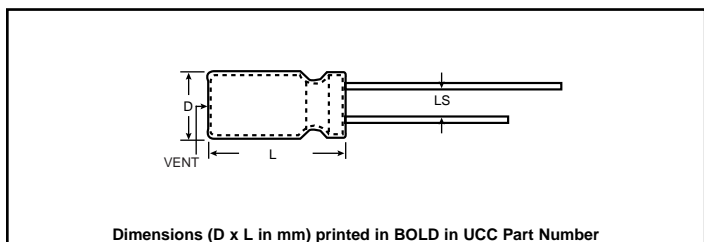
The LXV Series capacitors have a low impedance and are designed for use in situations at high frequencies. The LXV capacitors are ideal for use in switching power supplies, as their characteristics include a wide temperature range, long life, and low impedance. The LXV Series capacitors are solvent proof.

Specifications:

- Operating Temperature range: -55°C to +105°C
- Voltage Range: 10 to 63VDC
- Capacitance Range: 10 to 8,200µF
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 2,000 - 8,000 hours depending on case size
- Leakage Current: 0.01CV or 3µA, whichever is greater, after 2 minutes at +20°C

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	100	500	1000
10 Volt							
661-LXY10VB221M	LXY10VB221M6X15LL	220	2.5	.17	.16	.13	.12
661-LXY10VB471M	LXY10VB471M8X15LL	470	3.5	.25	.23	.18	.17
661-LXY10VB102M	LXY10VB102M10X20LL	1000	5	.28	.25	.20	.19
16 Volt							
661-LXY16VB56RM	LXY16VB56RM6X7LL	56	2.5	.14	.12	.10	.09
661-LXY16VB121M	LXY16VB121M6X11LL	120	2.5	.14	.12	.10	.09
661-LXY16VB331M	LXY16VB331M8X15LL	330	3.5	.26	.23	.19	.18
661-LXY16VB471M	LXY16VB471M8X20LL	470	3.5	.27	.24	.19	.18
661-LXY16VB122M	LXY16VB122M12X20LL	1200	5	.47	.42	.34	.32
661-LXY16VB152M	LXY16VB152M12X25LL	1500	5	.55	.50	.40	.38
661-LXY16VB222M	LXY16VB222M12X30LL	2200	5	.60	.54	.43	.41
25 Volt							
661-LXY25VB471M	LXY25VB471M10X20LL	470	5	.32	.29	.23	.22
661-LXY25VB821M	LXY25VB821M12X20LL	820	5	.43	.38	.31	.29
661-LXY25VB102M	LXY25VB102M12X25LL	1000	5	.49	.44	.35	.33
661-LXY25VB222M	LXY25VB222M12X40LL	2200	5	.77	.69	.55	.52
661-LXY25VB332M	LXY25VB332M16X35LL	3300	7.5	.90	.81	.65	.61



For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	100	500	1000
35 Volt							
661-LXY35VB121M	LXY35VB121M8X12LL	120	3.5	.16	.14	.12	.11
661-LXY35VB221M	LXY35VB221M8X20LL	220	3.5	.27	.24	.19	.18
661-LXY35VB331M	LXY35VB331M10X20LL	330	5	.30	.27	.22	.20
661-LXY35VB102M	LXY35VB102M12X30LL	1000	5	.54	.49	.39	.37
661-LXY35VB122M	LXY35VB122M16X25LL	1200	7.5	.78	.70	.56	.53
661-LXY35VB152M	LXY35VB152M12X40LL	1500	5	.77	.69	.55	.52
661-LXY35VB222M	LXY35VB222M16X35LL	2200	7.5	1.06	.96	.76	.72
50 Volt							
661-LXY50VB10RM	LXY50VB10RM6X5LL	10	2.5	.24	.22	.18	.17
661-LXY50VB56RM	LXY50VB56RM6X15LL	56	2.5	.17	.16	.13	.12
661-LXY50VB68RM	LXY50VB68RM8X12LL	68	3.5	.20	.18	.15	.14
661-LXY50VB121M	LXY50VB121M8X20LL	120	3.5	.29	.26	.21	.20
661-LXY50VB331M	LXY50VB331M12X20LL	330	5	.45	.40	.32	.30
661-LXY50VB471M	LXY50VB471M12X25LL	470	5	.57	.51	.41	.39
661-LXY50VB561M	LXY50VB561M12X30LL	560	5	.60	.54	.43	.41
661-LXY50VB821M	LXY50VB821M16X25LL	820	7.5	.70	.63	.50	.47
661-LXY50VB102M	LXY50VB102M16X30LL	1000	7.5	.76	.68	.55	.52
63 Volt							
661-LXY63VB68RM	LXY63VB68RM10X16LL	68	5	.28	.25	.20	.19
661-LXY63VB331M	LXY63VB331M16X20LL	330	7.5	.75	.67	.54	.51
661-LXY63VB471M	LXY63VB471M16X25LL	470	7.5	.64	.58	.46	.44

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

United Chemi-Con Aluminum Capacitors

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

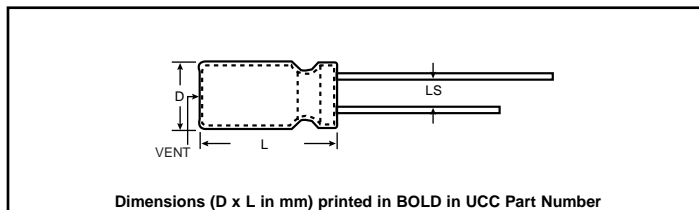
The KME and SME series capacitors are standard general purpose capacitors. These radial lead capacitors are available in a wide range of voltage and capacitance ratings. The KME series capacitors with working voltage of 100, or under also have a very low DC leakage current of .002CV or 2µA, whichever is greater after 2 minutes at +20°C. The KME and SME series capacitors, except for those rated at 350-400 volts, were developed to withstand HCFC cleaning agents for five minutes by ultrasonic, vapor, or immersion. This solvent proof design allows all circuit board components to be cleaned together at the same time, without resorting to more expensive epoxy end-sealed capacitors.



UCC KME SERIES

Specifications:

- Operating Temperature range:
 - 55°C to +105°C for 6.3 to 100VDC
 - 40°C to +105°C for 160 to 400VDC
- Voltage Range: 6.3 to 400VDC
- Capacitance Range: 6.3 to 400VDC
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 1,000 hours @ +105°C



Dimensions (D x L in mm) printed in BOLD in UCC Part Number

For quantities 5000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	100	1000	2000
10 Volt							
661-KME10VB101M	KME10VB101M5X11LL	100	2.0	.13	.12	.11	.10
661-KME10VB102MLL	KME10VB102M10X16LL	1000	5.0	.17	.14	.12	.11
16 Volt							
661-KME16VB101MLL	KME16VB101M6X11LL	100	2.5	.13	.12	.11	.10
661-KME16VB221M	KME16VB221M8X11LL	220	3.5	.21	.19	.17	.15
661-KME16VB331MLL	KME16VB331M8X11LL	330	3.5	.26	.21	.17	.15
661-KME16VB471MLL	KME16VB471M10X12LL	470	5.0	.18	.15	.12	.11
661-KME16VB102M	KME16VB102M10X20LL	1000	5.0	.17	.15	.14	.12
661-KME16VB332M	KME16VB332M16X25LL	3300	7.5	1.04	.94	.83	.75
661-KME16VB472M	KME16VB472M16X31LL	4700	7.5	1.30	1.17	1.04	.94
25 Volt							
661-KME25VB222MLL	KME25VB222M5X11LL	22	2.0	.10	.09	.08	.07
661-KME25VB47RMLL	KME25VB47R5X11LL	47	2.0	.07	.06	.05	.04
661-KME25VB101MLL	KME25VB101M6X11LL	100	2.5	.09	.08	.07	.06
661-KME25VB221MLL	KME25VB221M8X11LL	220	3.5	.21	.18	.14	.13
661-KME25VB331MLL	KME25VB331M10X12LL	330	5.0	.23	.19	.15	.14
661-KME25VB471MLL	KME25VB471M10X16LL	470	5.0	.20	.17	.14	.12
661-KME25VB102M	KME25VB102M12X20LL	1000	5.0	.53	.47	.42	.38
661-KME25VB222M	KME25VB222M16X25LL	2200	7.5	.60	.54	.48	.43
35 Volt							
661-KME35VB47RM	KME35VB47RM6X11LL	47	2.5	.08	.07	.06	.05
661-KME35VB101MLL	KME35VB101M8X11LL	100	3.5	.12	.11	.10	.09
661-KME35VB221MLL	KME35VB221M10X12LL	220	5.0	.19	.16	.13	.12
661-KME35VB331M	KME35VB331M10X16LL	330	5.0	.34	.30	.27	.24
661-KME35VB471M	KME35VB471M10X20LL	470	5.0	.24	.22	.19	.17
661-KME35VB102M	KME35VB102M12X25LL	1000	5.0	.67	.60	.54	.48
661-KME35VB332MLL	KME35VB332M18X35LL	3300	7.5	2.23	1.86	1.48	1.34
50 Volt							
661-KME50VB1R0MLL	KME50VB1R0M5X11LL	1	2.0	.08	.07	.06	.05
661-KME50VB47RM	KME50VB47RM5X11LL	4.7	2.0	.11	.10	.09	.08
661-KME50VB10RM	KME50VB10RM5X11LL	10	2.0	.07	.06	.05	.04
661-KME50VB22RM	KME50VB22RM5X11LL	22	2.0	.07	.06	.05	.04
661-KME50VB33RM	KME50VB33RM6X11LL	33	2.5	.13	.12	.11	.10
661-KME50VB47RMLL	KME50VB47RM6X11LL	47	2.5	.19	.16	.13	.12
661-KME50VB101MLL	KME50VB101M8X11LL	100	3.5	.12	.11	.10	.09
661-KME50VB221M	KME50VB221M10X16LL	220	5.0	.24	.22	.19	.17
661-KME50VB331MLL	KME50VB331M10X20LL	330	5.0	.24	.22	.19	.17
661-KME50VB471MLL	KME50VB471M12X20LL	470	5.0	.46	.39	.31	.28
661-KME50VB102MLL	KME50VB102M16X25LL	1000	7.5	.68	.57	.46	.41
661-KME50VB222M	KME50VB222M18X35LL	2200	7.5	1.93	1.74	1.55	1.39
63 Volt							
661-KME63VB222RM	KME63VB222RM6X11LL	22	2.5	.16	.14	.13	.11
661-KME63VB33RMLL	KME63VB33RM6X11LL	33	2.5	.12	.11	.10	.09
661-KME63VB47RM	KME63VB47RM8X11LL	47	3.5	.10	.09	.08	.07
661-KME63VB101M	KME63VB101M10X12LL	100	5.0	.16	.15	.13	.12
661-KME63VB221MLL	KME63VB221M10X20LL	220	5.0	.30	.25	.20	.18
661-KME63VB331M	KME63VB331M12X20LL	330	5.0	.42	.38	.34	.30
661-KME63VB471MLL	KME63VB471M12X25LL	470	5.0	.82	.68	.55	.49
661-KME63VB102MLL	KME63VB102M16X31LL	1000	7.5	1.58	1.31	1.05	.95
100 Volt							
661-KME100VB3R3MLL	KME100VB3R3M5X11LL	3.3	2.0	.08	.07	.06	.05
661-KME100VB4R7M	KME100VB4R7M5X11LL	4.7	2.0	.08	.07	.06	.05
661-KME100VB10RMLL	KME100VB10RM6X11LL	10	2.5	.12	.11	.10	.09
661-KME100VB22RM	KME100VB22RM8X11LL	22	3.5	.09	.08	.07	.06
661-KME100VB33RMLL	KME100VB33RM10X12LL	33	5.0	.29	.24	.20	.18
661-KME100VB47RMLL	KME100VB47RM10X16LL	47	5.0	.20	.17	.13	.12
661-KME100VB101MLL	KME100VB101M12X20LL	100	5.0	.40	.33	.26	.24
661-KME100VB221MLL	KME100VB221M16X25LL	220	7.5	1.42	1.19	.95	.85
661-KME100VB471MLL	KME100VB471M16X31LL	470	7.5	1.11	.93	.74	.67
160 Volt							
661-KME160VB222RMLL	KME160VB222RM10X20LL	22	5.0	.59	.49	.40	.36
661-KME160VB47RM	KME160VB47RM12X25LL	47	5.0	.68	.61	.54	.49
200 Volt							
661-KME200VB2R2M	KME200VB2R2M6X11LL	2.2	2.5	.16	.14	.13	.11
661-KME200VB22RM	KME200VB22RM10X20LL	22	5.0	.52	.46	.41	.37
661-KME200VB47RM	KME200VB47RM12X25LL	47	5.0	.73	.66	.59	.53
661-KME200VB101MLL	KME200VB101M16X31LL	100	7.5	1.09	.91	.73	.66



UCC SME SERIES

Specifications:

- Operating Temperature range:
 - 40°C to +85°C for 6.3 to 400VDC
 - 25°C to +85°C for 160 to 450VDC
- Voltage Range: 6.3 to 450VDC
- Capacitance Range: 0.1 to 15,000µF
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 2,000 hours @ +85°C

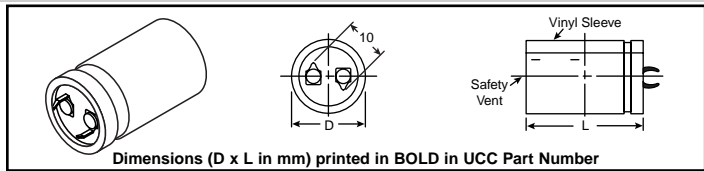
For quantities 5000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	100	1000	2000
10 Volt							
661-SME10VB101MLL	SME10VB101M5X11LL	100	2.0	.08	.07	.06	.05
661-SME10VB221MLL	SME10VB221M6X11LL	220	2.5	.10	.09	.08	.07
661-SME10VB471M	SME10VB471M8X11LL	470	3.5	.18	.16	.15	.13
661-SME10VB472MLL	SME10VB472M16X25LL	4700	7.5	1.11	.92	.74	.66
16 Volt							
661-SME16VB10RM	SME16VB10RM5X11LL	10	2.0	.11	.10	.09	.08
661-SME16VB22RM	SME16VB22RM5X11LL	22	2.0	.06	.05	.04	.03
661-SME16VB101M	SME16VB101M6X11LL	100	2.5	.09	.08	.07	.06
661-SME16VB221M	SME16VB221M8X11LL	220	3.5	.11	.10	.09	.08
661-SME16VB331MLL	SME16VB331M8X11LL	330	3.5	.19	.17	.16	.14
661-SME16VB471M	SME16VB471M10X12LL	470	5.0	.19	.17	.16	.14
661-SME16VB472M	SME16VB472M16X31LL	4700	7.5	1.24	1.11	.99	.89
25 Volt							
661-SME25VB222RM	SME25VB222RM5X11LL	22	2.0	.06	.05	.04	.03
661-SME25VB47RM	SME25VB47RM5X11LL	47	2.0	.11	.10	.09	.08
661-SME25VB101MLL	SME25VB101M6X11LL	100	2.5	.08	.07	.06	.05
661-SME25VB331M	SME25VB331M10X12LL	330	5.0	.29	.26	.24	.21
661-SME25VB471MLL	SME25VB471M10X16LL	470	5.0	.26	.22	.18	.16
661-SME25VB222M	SME25VB222M16X25LL	2200	7.5	.63	.57	.50	.45
35 Volt							
661-SME35VB47RM	SME35VB47RM5X11LL	4.7	2.0	.11	.10	.09	.08
661-SME35VB10RM	SME35VB10RM5X11LL	10	2.0	.06	.05	.04	.03
661-SME35VB22RM	SME35VB22RM5X11LL	22	2.0	1.06	.95	.85	.76
661-SME35VB331M	SME35VB331M10X12LL	330	5.0	.29	.26	.24	.21
661-SME35VB471MLL	SME35VB471M10X16LL	470	5.0	.26	.22	.18	.16
661-SME35VB222M	SME35VB222M16X25LL	2200	7.5	.63	.57	.50	.45
50 Volt							
661-SME50VB1R0M	SME50VB1R0M5X11LL	1	2.0	.11	.10	.09	.08
661-SME50VB2R2MLL	SME50VB2R2M5X11LL	2.2	2.0	.08	.07	.06	.05
661-SME50VB10RM	SME50VB10RM5X11LL	10	2.0	.07	.06	.05	.04
661-SME50VB22RMLL	SME50VB22RM5X11LL	22	2.0	.13	.12	.11	.10
661-SME50VB33RM	SME50VB33RM6X11LL	33	2.5	.09	.08	.07	.06
661-SME50VB47RM	SME50VB47RM6X11LL	47	2.5	.17	.14	.12	.10
661-SME50VB101M	SME50VB101M8X11LL	100	3.5	.11	.10	.09	.08
661-SME50VB221M	SME50VB221M10X12LL	220	5.0	.29	.26	.23	.21
661-SME50VB331M	SME50VB331M10X20LL	330	5.0	.39	.35	.32	.28
661-SME50VB471MLL	SME50VB471M12X20LL	470	5.0	.35	.29	.24	.21
661-SME50VB102MLL	SME50VB102M16X25LL	1000	7.5	.58	.49	.39	.35
63 Volt							
661-SME63VB222RM	SME63VB222RM6X11LL	22	2.5	.14	.13	.12	.10
661-SME63VB47RMLL	SME63VB47RM8X11LL	47	3.5	.14	.13	.12	.10
661-SME63VB101M	SME63VB101M10X12LL	100	5.0	.23	.19	.15	.14
661-SME63VB221M	SME63VB221M10X20LL	220	5.0	.39	.35	.31	.28
661-SME63VB331MLL	SME63VB331M12X20LL	330	5.0	.40	.36	.32	.29
100 Volt							
661-SME100VB2R2M	SME100VB2R2M5X11LL	2.2	2.0	.11	.10	.09	.08
661-SME100VB10RM	SME100VB10RM6X11LL	10	2.5	.10	.09	.08	.07
661-SME100VB22RMLL	SME100VB22RM8X11LL	22	3.5	.15	.13	.12	.11
200 Volt							
661-SME200VB10RM	SME200VB10RM10X16LL	10	5.0	.41	.37	.33	.30

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NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

The KMH series are the standard 105°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits. The standard KMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.



UNITED CHEMI-CON UCC KMH SERIES SNAP MOUNT CAPACITORS

- Specifications:**
- Operating Temperature range: -40°C to +105°C for 6.3 to 100VDC, -25°C to +105°C for 160 to 450VDC
 - Voltage Range: 6.3 to 450VDC
 - Capacitance Range: 47 to 220,000µF
 - Capacitance Tolerance: ± 20% at +20°C, 120Hz
 - Rated Lifetime: 2,000 hours @ +105°C

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
16 Volt							
661-KMH16VN223M	KMH16VN223M25X45T2	22000	0.03	2.88	2.56	2.30	2.17
661-KMH16VN223MT2	KMH16VN223M30X35T2	22000	0.03	5.13	4.71	4.28	3.42
25 Volt							
661-KMH25VN472M	KMH25VN472M22X25T2	4700	0.106	1.79	1.59	1.43	1.35
661-KMH25VN123MT2	KMH25VN123M22X45T2	12000	0.041	3.34	3.06	2.78	2.23
661-KMH25VN223M	KMH25VN223M30X45T2	22000	0.023	4.13	3.67	3.30	2.12
661-KMH25VN273MT2	KMH25VN273M35X45T2	27000	0.018	8.07	7.40	6.73	5.38
661-KMH25VN333M	KMH25VN333M35X50T2	33000	0.015	5.36	4.76	4.29	4.05
35 Volt							
661-KMH35VN332MT2	KMH35VN332M22X25T2	3300	0.126	2.38	2.18	1.98	1.59
661-KMH35VN472MT2	KMH35VN472M25X25T2	4700	0.088	2.78	2.55	2.32	1.86
661-KMH35VN562M	KMH35VN562M22X35T2	5600	0.074	2.50	2.43	2.36	2.22
661-KMH35VN682MT2	KMH35VN682M22X40T2	6800	0.061	2.88	2.64	2.40	1.92
661-KMH35VN682M	KMH35VN682M25X35T2	6800	0.061	2.34	2.08	1.87	1.77
661-KMH35VN103MT2	KMH35VN103M30X35T2	10000	0.041	5.72	5.25	4.77	3.81
661-KMH35VN123M	KMH35VN123M25X50T2	12000	0.035	3.25	2.89	2.60	2.45
661-KMH35VN333MT2	KMH35VN333M35X63T2	33000	0.012	8.72	8.00	7.27	5.81
50 Volt							
661-KMH50VN472MT2	KMH50VN472M30X30T2	4700	0.071	3.40	3.12	2.84	2.27
661-KMH50VN682M	KMH50VN682M30X40T2	6800	0.049	2.76	2.45	2.21	2.09
661-KMH50VN822M	KMH50VN822M35X35T2	8200	0.04	4.99	4.43	3.99	3.77
63 Volt							
661-KMH63VN222MT2	KMH63VN222M22X35T2	2200	0.113	2.60	2.39	2.17	1.73
661-KMH63VN272MT2	KMH63VN272M30X25T2	2700	0.092	3.37	3.09	2.81	2.25
661-KMH63VN472M	KMH63VN472M25X50T2	4700	0.053	2.97	2.64	2.38	2.24
661-KMH63VN472MT2	KMH63VN472M30X40T2	4700	0.053	4.11	3.77	3.43	2.74
661-KMH63VN562MT2	KMH63VN562M30X45T2	5600	0.044	4.79	4.39	3.99	3.20
661-KMH63VN682M	KMH63VN682M30X50T2	6800	0.037	4.48	3.98	3.58	3.38
661-KMH63VN103M	KMH63VN103M35X50T2	10000	0.025	5.45	4.85	4.36	4.12
80 Volt							
661-KMH80VN392MT2	KMH80VN392M35X35T2	3900	0.064	5.69	5.22	4.74	3.79
661-KMH80VN472MT2	KMH80VN472M30X50T2	4700	0.053	5.47	5.02	4.56	3.65
100 Volt							
661-KMH100VN391M	KMH100VN391M22X25T2	390	0.425	1.40	1.24	1.12	1.06
661-KMH100VN222M	KMH100VN222M30X40T2	2200	0.113	3.34	2.97	2.67	2.52
661-KMH100VN392M	KMH100VN392M35X45T2	3900	0.064	7.26	6.45	5.81	5.49
200 Volt							
661-KMH200VN271M	KMH200VN271M22X25T2	270	0.614	1.76	1.57	1.41	1.33
661-KMH200VN331M	KMH200VN331M22X30T2	330	0.502	2.20	1.96	1.76	1.66
661-KMH200VN471M	KMH200VN471M25X30T2	470	0.353	2.53	2.25	2.02	1.91
661-KMH200VN681MT2	KMH200VN681M30X30T2	680	0.244	4.70	4.31	3.92	3.13
661-KMH200VN681M	KMH200VN681M25X25T2	680	0.366	3.87	3.44	3.10	2.93
661-KMH200VN821M	KMH200VN821M35X25T2	820	0.202	3.94	3.51	3.15	2.98
661-KMH200VN102MT2	KMH200VN102M30X45T2	1000	0.166	5.04	4.62	4.20	3.36
661-KMH200VN102M	KMH200VN102M35X35T2	1000	0.249	6.01	5.34	4.81	4.54
661-KMH200VN122M	KMH200VN122M30X50T2	1200	0.138	4.82	4.29	3.86	3.65
661-KMH200VN122MT2	KMH200VN122M35X40T2	1200	0.207	4.71	4.19	3.77	3.56
661-KMH200VN182MT2	KMH200VN182M35X50T2	1800	0.138	11.57	10.61	9.64	7.71
250 Volt							
661-KMH250VN221MT2	KMH250VN221M22X30T2	220	0.753	2.75	2.52	2.29	1.84
661-KMH250VN221M	KMH250VN221M25X25T2	220	0.753	2.30	2.04	1.84	1.74
661-KMH250VN331M	KMH250VN331M25X30T2	330	0.502	2.78	2.47	2.23	2.10
661-KMH250VN471M	KMH250VN471M25X40T2	470	0.353	2.92	2.60	2.34	2.21
661-KMH250VN471MT2A	KMH250VN471M30X30T2	470	0.353	3.68	3.38	3.07	2.45
661-KMH250VN561M	KMH250VN561M30X35T2	560	0.296	3.71	3.30	2.97	2.80
661-KMH250VN561MT2	KMH250VN561M35X30T2	560	0.444	6.87	6.30	5.72	4.58
661-KMH250VN681MT2	KMH250VN681M30X40T2	680	0.244	4.92	4.51	4.10	3.28
661-KMH250VN821M	KMH250VN821M35X35T2	820	0.303	5.49	4.88	4.40	4.15
661-KMH250VN102M	KMH250VN102M35X40T2	1000	0.249	5.54	4.93	4.44	4.19
661-KMH250VN122M	KMH250VN122M35X45T2	1200	0.207	6.63	5.90	5.31	5.01
400 Volt							
661-KMH400VN82RM	KMH400VN82RM22X30T2	82	3.032	2.06	1.83	1.64	1.55
661-KMH400VN82RMT2	KMH400VN82RM25X25T2	82	3.032	2.61	2.40	2.18	1.74
661-KMH400VN121MT2	KMH400VN121M25X30T2	120	2.072	3.74	3.43	3.12	2.49
661-KMH400VN181MT2	KMH400VN181M25X35T2	180	1.381	3.80	3.49	3.17	2.54
661-KMH400VN181M	KMH400VN181M30X30T2	180	1.381	3.76	3.34	3.01	2.84
661-KMH400VN221MT2	KMH400VN221M25X45T2	220	1.13	4.27	3.92	3.56	2.85
661-KMH400VN221MT2A	KMH400VN221M30X35T2	220	1.13	4.64	4.26	3.87	3.09
661-KMH400VN331MT2	KMH400VN331M30X45T2	330	0.753	6.06	5.56	5.05	4.04
661-KMH400VN331MT2A	KMH400VN331M35X35T2	330	0.753	5.10	4.68	4.25	3.40
661-KMH400VN391M	KMH400VN391M35X40T2	390	0.638	8.05	7.15	6.44	6.08
661-KMH400VN471MT2	KMH400VN471M35X45T2	470	0.529	7.05	6.47	5.88	4.70
661-KMH400VN102M	KMH400VN102M35X80T2	1000	0.249	11.18	10.34	9.78	9.24

UNITED CHEMI-CON UCC KMH SERIES SNAP MOUNT CAPACITORS (cont.)

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each				
				1	50	100	500	
450 Volt								
661-KMH450VN181M2	KMH450VN181M30X35T2	180	1.381	4.01	3.57	3.21	3.03	
661-KMH450VN221M	KMH450VN221M25X50T2	220	1.13	5.61	4.99	4.49	4.24	
661-KMH450VN221MT2A	KMH450VN221M30X40T2	220	1.13	7.98	7.32	6.65	5.32	
661-KMH450VN221MT2B	KMH450VN221M35X30T2	220	1.13	7.92	7.26	6.60	5.28	
661-KMH450VN331M	KMH450VN331M30X50T2	330	0.753	7.79	6.93	6.23	5.89	
661-KMH450VN331MT2	KMH450VN331M35X40T2	330	0.753	9.71	8.90	8.09	6.47	
661-KMH450VN471M	KMH450VN471M35X50T2M	470	0.529	10.17	9.89	9.60	9.04	

UNITED CHEMI-CON UCC SMH SERIES SNAP MOUNT CAPACITORS

The SMH series are the standard 85°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits. The standard SMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.

- Specifications:**
- Operating Temperature range: -40°C to +85°C for 6.3 to 100VDC, -25°C to +85°C for 160 to 450VDC
 - Voltage Range: 6.3 to 450VDC
 - Capacitance Range: 56 to 270,000µF
 - Capacitance Tolerance: ± 20% at +20°C, 120Hz
 - Rated Lifetime: 2,000 hours @ +85°C

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each				
				1	50	100	500	
16 Volt								
661-SMH16VN123M	SMH16VN123M22X30T2	12000	0.055	1.93	1.71	1.54	1.45	
661-SMH16VN123MT2	SMH16VN123M25X25T2	12000	0.055	2.84	2.58	2.35	1.88	
25 Volt								
661-SMH25VN822M	SMH25VN822M22X35T2	8200	0.061	2.04	1.81	1.63	1.54	
661-SMH25VN153M	SMH25VN153M25X40T2	15000	0.033	2.78	2.47	2.23	2.10	
661-SMH25VN223M	SMH25VN223M30X45T2	22000	0.023	5.01	4.45	4.01	3.79	
35 Volt								
661-SMH35VN472MT2	SMH35VN472M25X25T2	4700	0.088	2.69	2.47	2.24	1.79	
661-SMH35VN153MT2	SMH35VN153M35X35T2	15000	0.028	6.90	6.33	5.75	4.60	
50 Volt								
661-SMH50VN222MT2	SMH50VN222M22X25T2	2200	0.151	2.38	2.18	1.98	1.59	
661-SMH50VN332MT2	SMH50VN332M25X25T2	3300	0.1	2.81	2.58	2.35	1.88	
661-SMH50VN472M	SMH50VN472M22X40T2	4700	0.071	2.34	2.08	1.87	1.77	
661-SMH50VN822MT2	SMH50VN822M30X40T2	8200	0.04	4.27	3.92	3.56	2.85	
661-SMH50VN183MT2	SMH50VN183M35X50T2	18000	0.018	9.96	9.13	8.30	6.64	
63 Volt								
661-SMH63VN332M	SMH63VN332M22X35T2	3300	0.075	1.65	1.46	1.32	1.24	
661-SMH63VN682MT2	SMH63VN682M30X40T2	6800	0.037	4.55	4.17	3.79	3.03	
661-SMH63VN123M	SMH63VN123M35X45T2	12000	0.021	7.19	6.39	5.75	5.43	
80 Volt								
661-SMH80VN332M	SMH80VN332M25X40T2	3300	0.075	2.97	2.64	2.38	2.24	
661-SMH80VN472M	SMH80VN472M35X30T2	4700	0.053	4.87	4.33	3.90	3.68	
100 Volt								
661-SMH100VN562M	SMH100VN562M35X45T2	5600	0.044	7.28	6.47	5.83	5.50	
160 Volt								
661-SMH160VN391M	SMH160VN391M22X25T2	390	0.425	1.88	1.67	1.50	1.42	
200 Volt								
661-SMH200VN102MT2	SMH200VN102M30X40T2	1000	0.166	4.58	4.20	3.81	3.05	
661-SMH200VN102M	SMH200VN102M35X30T2	1000	0.249	5.45	4.85	4.36	4.12	
661-SMH200VN152MT2	SMH200VN152M35X40T2	1500	0.166	6.71	6.15	5.59	4.47	
661-SMH200VN182MT2	SMH200VN182M35X45T2	1800	0.138	8.60				



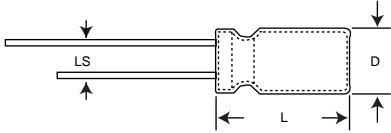
Vishay Aluminum Electrolytic Capacitors



TYPE 515D MINIATURE RADIAL LEAD

Specifications:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: ±20%
- Life validation test: 2000 hours @ +85°C
- High CV per case size
- Solvent resistant construction (through 100 WVDC)



MOUSER STOCK NO.	Value (µF)	Case Size D x L (In.)	LS	Price Each			
				1	25	100	250
10 Volt (13V Surge)							
75-515D10V47	47	.197 x .433	.079	.12	.08	.06	.05
75-515D10V100	100	.197 x .433	.079	.13	.10	.07	.06
75-515D10V220	220	.248 x .433	.098	.17	.13	.09	.08
75-515D10V330	330	.315 x .453	.138	.22	.16	.12	.10
75-515D10V470	470	.315 x .453	.138	.24	.18	.13	.11
75-515D10V1000	1000	.394 x .630	.197	.38	.29	.21	.17
75-515D10V2200	2200	.492 x .787	.197	.68	.51	.37	.31
75-515D10V3300	3300	.492 x .984	.197	1.00	.75	.55	.45
75-515D10V4700	4700	.630 x .984	.295	1.32	.99	.73	.60
75-515D10V6800	6800	.630 x 1.240	.295	2.01	1.51	1.10	.90
75-515D10V10000	10000	.709 x 1.398	.295	2.62	1.97	1.44	1.18
75-515D10V15000	15000	.709 x 1.575	.295	2.68	2.01	1.47	1.21
16 Volt (20V Surge)							
75-515D16V33	33	.197 x .433	.079	.12	.08	.06	.05
75-515D16V47	47	.197 x .433	.079	.13	.10	.07	.06
75-515D16V100	100	.248 x .433	.098	.15	.11	.08	.07
75-515D16V220	220	.315 x .453	.138	.17	.13	.09	.08
75-515D16V330	330	.315 x .453	.138	.24	.18	.13	.11
75-515D16V470	470	.394 x .492	.197	.30	.23	.17	.14
75-515D16V1000	1000	.394 x .787	.197	.50	.38	.28	.23
75-515D16V2200	2200	.492 x .984	.197	1.04	.78	.57	.47
75-515D16V3300	3300	.630 x .984	.295	1.45	1.09	.80	.65
75-515D16V4700	4700	.630 x 1.240	.295	1.95	1.46	1.07	.88
75-515D16V6800	6800	.709 x 1.398	.295	2.62	1.97	1.44	1.18
75-515D16V10000	10000	.709 x 1.575	.295	2.68	2.01	1.47	1.21
25 Volt (32V Surge)							
75-515D25V10	10	.197 x .433	.079	.12	.08	.06	.05
75-515D25V22	22	.197 x .433	.079	.13	.10	.07	.06
75-515D25V33	33	.197 x .433	.079	.13	.10	.07	.06
75-515D25V47	47	.197 x .433	.079	.15	.11	.08	.07
75-515D25V100	100	.248 x .433	.098	.17	.13	.09	.08
75-515D25V220	220	.315 x .453	.138	.24	.18	.13	.11
75-515D25V330	330	.394 x .492	.197	.30	.23	.17	.14
75-515D25V470	470	.394 x .630	.197	.41	.31	.22	.18
75-515D25V1000	1000	.492 x .787	.197	.68	.51	.37	.31
75-515D25V2200	2200	.630 x .984	.295	1.45	1.09	.80	.65
75-515D25V3300	3300	.630 x 1.240	.295	1.95	1.46	1.07	.88
75-515D25V4700	4700	.709 x 1.398	.295	2.62	1.97	1.44	1.18
35 Volt (44V Surge)							
75-515D35V10	10	.197 x .433	.079	.12	.08	.06	.05
75-515D35V22	22	.197 x .433	.079	.13	.10	.07	.06
75-515D35V33	33	.197 x .433	.079	.15	.11	.08	.07
75-515D35V47	47	.248 x .433	.098	.15	.11	.08	.07
75-515D35V100	100	.315 x .453	.138	.22	.16	.12	.10
75-515D35V220	220	.394 x .492	.197	.30	.23	.17	.14
75-515D35V330	330	.394 x .630	.197	.40	.30	.22	.18
75-515D35V470	470	.394 x .787	.197	.50	.38	.28	.23
75-515D35V1000	1000	.492 x .984	.197	1.04	.78	.57	.47
75-515D35V2200	2200	.630 x 1.240	.295	1.74	1.31	.96	.78
75-515D35V3300	3300	.709 x 1.398	.295	2.62	1.97	1.44	1.18
75-515D35V4700	4700	.709 x 1.598	.295	2.80	2.10	1.54	1.26
50 Volt (63V Surge)							
75-515D50V0.47	0.47	.197 x .433	.079	.12	.08	.06	.05
75-515D50V1.0	1.0	.197 x .433	.079	.12	.08	.06	.05
75-515D50V2.2	2.2	.197 x .433	.079	.12	.08	.06	.05
75-515D50V3.3	3.3	.197 x .433	.079	.12	.08	.06	.05
75-515D50V4.7	4.7	.197 x .433	.079	.12	.08	.06	.05
75-515D50V10	10	.197 x .433	.079	.13	.10	.07	.06
75-515D50V22	22	.197 x .433	.079	.15	.11	.08	.07
75-515D50V33	33	.248 x .433	.098	.17	.13	.09	.08
75-515D50V47	47	.248 x .433	.098	.17	.13	.09	.08
75-515D50V100	100	.315 x .453	.138	.30	.23	.17	.14
75-515D50V220	220	.394 x .630	.197	.45	.34	.25	.20
75-515D50V330	330	.394 x .787	.197	.52	.39	.29	.23
75-515D50V470	470	.492 x .787	.197	.76	.57	.42	.34
75-515D50V1000	1000	.630 x .984	.295	1.20	.90	.66	.54
75-515D50V2200	2200	.709 x 1.398	.295	2.62	1.97	1.44	1.18
100 Volt (125V Surge)							
75-515D100V0.47	0.47	.197 x .433	.079	.12	.08	.06	.05
75-515D100V1.0	1.0	.197 x .433	.079	.12	.08	.06	.05

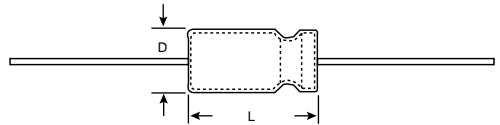
MOUSER STOCK NO.	Value (µF)	Case Size D x L (In.)	LS	Price Each			
				1	25	100	250
100 Volt (125V Surge) (cont.)							
75-515D100V2.2	2.2	.197 x .433	.079	.12	.08	.06	.05
75-515D100V3.3	3.3	.197 x .433	.079	.13	.10	.07	.06
75-515D100V4.7	4.7	.197 x .433	.079	.13	.10	.07	.06
75-515D100V10	10	.248 x .433	.098	.17	.13	.09	.08
75-515D100V22	22	.315 x .453	.138	.22	.16	.12	.10
75-515D100V47	47	.394 x .630	.197	.33	.25	.18	.15
75-515D100V100	100	.492 x .787	.197	.60	.45	.33	.27
75-515D100V220	220	.630 x .984	.295	1.08	.81	.59	.48
75-515D100V330	330	.630 x .984	.295	1.20	.90	.66	.54
75-515D100V470	470	.630 x 1.240	.295	1.70	1.28	.94	.77
160 Volt (200V Surge)							
75-515D160V2.2	2.2	.248 x .433	.098	.25	.19	.14	.11
75-515D160V3.3	3.3	.315 x .453	.138	.32	.24	.18	.14
75-515D160V4.7	4.7	.315 x .453	.138	.32	.24	.18	.14
75-515D160V10	10	.394 x .492	.197	.40	.30	.22	.18
75-515D160V22	22	.394 x .787	.197	.58	.44	.32	.26
75-515D160V47	47	.492 x .984	.197	.85	.64	.47	.38
75-515D160V100	100	.630 x .984	.295	1.33	1.00	.73	.60
75-515D160V220	220	.709 x 1.398	.295	2.62	1.97	1.44	1.18
250 Volt (300V Surge)							
75-515D250V1.0	1.0	.248 x .433	.098	.25	.19	.14	.11
75-515D250V2.2	2.2	.315 x .453	.138	.32	.24	.18	.14
75-515D250V3.3	3.3	.394 x .492	.197	.32	.24	.18	.14
75-515D250V4.7	4.7	.394 x .492	.197	.40	.30	.22	.18
75-515D250V10	10	.394 x .787	.197	.58	.44	.32	.26
75-515D250V47	47	.630 x .984	.295	1.33	1.00	.73	.60
350 Volt (400V Surge)							
75-515D350V1.0	1.0	.315 x .453	.138	.28	.21	.15	.12
75-515D350V3.3	3.3	.394 x .630	.197	.50	.38	.28	.23
75-515D350V4.7	4.7	.394 x .630	.197	.50	.38	.28	.23
75-515D350V22	22	.492 x .984	.197	.85	.64	.47	.38
75-515D350V33	33	.630 x 1.240	.295	1.54	1.16	.85	.69
75-515D350V47	47	.709 x 1.398	.295	2.59	1.94	1.43	1.17
450 Volt (500V Surge)							
75-515D450V1.0	1.0	.394 x .492	.197	.32	.24	.18	.14
75-515D450V2.2	2.2	.394 x .630	.197	.50	.38	.28	.23
75-515D450V4.7	4.7	.492 x .787	.197	.72	.54	.40	.33
75-515D450V22	22	.630 x 1.240	.295	2.27	1.70	1.25	1.02
75-515D450V33	33	.709 x 1.398	.295	2.59	1.94	1.43	1.17



TYPE 53D ALUMINUM +85°C Tubular, Axial Lead

Specifications:

- Operating temp.: -40°C to +85°C
- Cap. tol.: -10%, +50%; -10%, +75%



MOUSER STOCK NO.	Vishay Part Number	Value (µF)	Case Size D x L (In.)	Price Each		
				1	25	100
25 Volt						
75-53D25V2800	53D282G025GJ6	2800	.76 x 1.641	2.49	2.34	2.06
75-53D25V4300	53D432G025HJ6	4300	.885 x 1.641	3.15	2.99	2.66
75-53D25V6200	53D622G025HL6	6200	.885 x 2.141	3.47	3.27	2.87
75-53D25V11000	53D113G025JP6	11000	1.01 x 2.641	4.22	3.98	3.49
35 Volt						
75-53D35V2100	53D212G035GJ6	2100	.76 x 1.641	2.68	2.52	2.22
75-53D35V3200	53D322G035HJ6	3200	.885 x 1.641	2.96	2.87	2.45
75-53D35V4700	53D472G035HL6	4700	.885 x 2.141	3.20	3.02	2.65
75-53D35V8300	53D832G035JP6	8300	1.01 x 2.641	4.46	4.21	3.70
50 Volt						
75-53D50V1000	53D102G050GE6	1000	.76 x 1.141	2.62	2.48	2.21
75-53D50V1300	53D132G050GJ6	1300	.76 x 1.641	2.71	2.56	2.25
75-53D50V1900	53D192G050HJ6	1900	.885 x 1.641	2.98	2.81	2.47
75-53D50V2800	53D282G050HL6	2800	.885 x 2.141	3.06	2.89	2.54
75-53D50V3800	53D382G050JL6	3800	1.01 x 2.141	3.59	3.38	2.97
75-53D50V5000	53D502G050JP6	5000	1.01 x 2.641	2.49	2.34	2.06
63 Volt						
75-53D63V1000	53D102G063GJ6	1000	.76 x 1.641	2.81	2.66	2.37
75-53D63V2200	53D222G063HL6	2200	.885 x 2.141	3.24	3.05	2.68
200 Volt						
75-53D200V350	53D351F200JL6	350	1.01 x 2.141	3.59	3.38	2.97
75-53D200V460	53D461F200JP6	460	1.01 x 2.641	4.20	3.96	3.72
250 Volt						
75-53D250V100	53D101F250GJ6	100	.76 x 1.641	2.77	2.63	2.34
75-53D250V130	53D131F250HJ6	130	.885 x 1.641	3.06	2.89	2.54
400 Volt						
75-53D400V100	53D101F400JL6	100	1.01 x 2.141	4.11	3.88	3.41
75-53D400V140	53D141F400JS6	140	1.01 x 3.141	4.38	4.13	3.63
75-53D400V150	53D151F400JS6	150	1.01 x 3.141	4.64	4.37	3.84

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

TE SERIES ALUMINUM CAPACITORS LITTL-LYTIC® Electrolytics

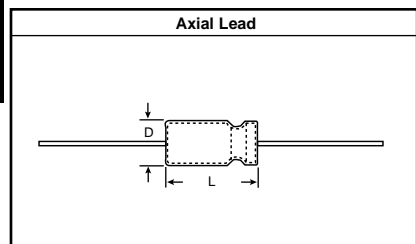
The TE Series capacitors have proven dependable performance in industrial and electronic equipment with either transistor or modified electron-tube circuits. All terminal connections are welded, eliminating the possibility of "open" or intermittent contacts occasionally found in pressure joints of conventional capacitors. TE series are metal-encased with a clear plastic outer insulating sleeve.

Specifications:

- Operating Temperature: -40°C to +105°C
- Maximum DC Leakage Current: 15.8uA @ +25°C
- Ripple Current: 10 ohm to 600 ohm max. at 120Hz depending upon capacitance.
- Capacitance Tolerance: 6V to 50V: +75%, -10%
100V to 150V: +50, -10%

DIMENSIONS mm (In.)

Case Code	L	D
BA	0.26 (6.604)	0.536 (13.614)
BB	0.26 (6.604)	0.723 (18.364)
CB	0.322 (8.179)	0.723 (18.364)
CC	0.322 (8.179)	0.848 (21.539)
DC	0.385 (9.779)	0.848 (21.539)
DD	0.385 (9.779)	0.973 (24.714)
DF	0.385 (9.779)	1.286 (32.664)
DH	0.385 (9.779)	1.536 (39.014)



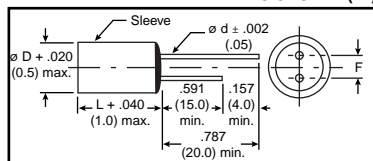
94SA SERIES SOLID ALUMINUM CAPACITORS With Organic Semiconductor Electrolyte

The 94SA Series capacitors are miniaturized, have a high capacitance, and are suitable for high frequency switching power supplies.

Specifications:

- Operating Temperature: -55°C to +105°C
- Standard Tolerance: 20%
- Leakage Current: 0.02 CV

DIMENSIONS mm (In.)



Case Code	ø D x L	F	ød
C	.248 x .268 (6.3 x 6.8)	.098 ± .020 (2.5 ± 0.5)	.018 (0.45)
D	.248 x .386 (6.3 x 9.8)	.098 ± .020 (2.5 ± 0.5)	.024 (0.60)
E	.315 x .413 (8.0 x 10.5)	.138 ± .020 (3.5 ± 0.5)	.024 (0.60)
F	.394 x .413 (10.0 x 10.5)	.197 ± .020 (5.0 ± 0.5)	.024 (0.60)

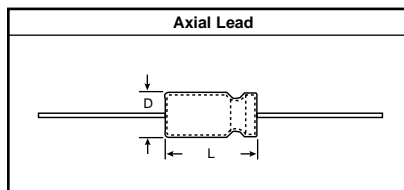
MOUSER STOCK NO.		Value (µF)	Volt	Case Code	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
75	94SA337X06R3FBP	330	6.3	F	2.14	2.03	1.93	1.82
75	94SA107X0010EBP	100	10	E	1.44	1.37	1.29	1.22
75	94SA227X0010FBP	220	10	F	2.00	1.90	1.80	1.70
75	94SA226X0016CBP	22	16	C	.76	.73	.69	.65
75	94SA336X0016CBP	33	16	C	.84	.80	.75	.71
75	94SA476X0016DBP	47	16	D	1.04	.98	.93	.88
75	94SA107X0016EBP	100	16	E	1.62	1.54	1.45	1.37
75	94SA157X0016FBP	150	16	F	2.00	1.90	1.80	1.70
75	94SA156X0020CBP	15	20	C	.76	.73	.69	.65
75	94SA226X0020CBP	22	20	C	.84	.79	.75	.71
75	94SA476X0020EBP	47	20	E	1.44	1.37	1.29	1.22
75	94SA686X0020EBP	68	20	E	1.62	1.54	1.45	1.37
75	94SA107X0020FBP	100	20	F	2.00	1.90	1.80	1.70

516D SERIES ALUMINUM CAPACITORS

Specifications:

- Operating Temperature: -40°C to +85°C
- High CV per case size
- Solvent resistant construction (through 100V)

DIMENSIONS mm (In.)



Case Code	L	D
JL	0.197 (5.0)	0.472 (12.0)
LL	0.248 (6.3)	0.472 (12.0)
LM	0.248 (6.3)	0.472 (12.0)
MM	0.315 (8.0)	0.630 (16.0)
MN	0.315 (8.0)	0.787 (20.0)
NP	0.394 (10.0)	0.827 (21.0)
NR	0.394 (10.0)	0.984 (25.0)
PR	0.512 (13.0)	1.023 (26.0)
PS	0.512 (13.0)	1.240 (31.5)
QS	0.630 (16.0)	1.240 (31.5)

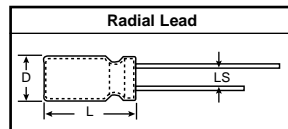
MOUSER STOCK NO.		Value (µF)	Volt	Case Code	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
75	TE1129	15	12	BA	1.61	1.38	1.15	1.04
75	TE1135	100	12	CC	1.65	1.41	1.18	1.06
75	TE1155	10	16	BA	1.61	1.38	1.15	1.04
75	TE1157	20	16	BB	1.61	1.38	1.15	1.04
75	TE1160	50	16	CB	1.65	1.41	1.18	1.06
75	TE1162	100	16	DC	1.79	1.53	1.28	1.15
75	TE1164	200	16	DF	2.00	1.71	1.43	1.28
75	TE1164.5	250	16	DF	2.00	1.71	1.43	1.28
75	TE1166	350	16	DH	2.14	1.83	1.53	1.37
75	TE1202	5	25	BA	1.61	1.38	1.15	1.04
75	TE1204	10	25	BB	1.61	1.38	1.15	1.04
75	TE1205	15	25	BB	1.61	1.38	1.15	1.04
75	TE1206	20	25	CB	1.65	1.41	1.18	1.06
75	TE1207	25	25	CB	1.65	1.41	1.18	1.06
75	TE1209	50	25	CC	1.73	1.48	1.23	1.11
75	TE1210	75	25	DC	1.79	1.53	1.28	1.15
75	TE1211	100	25	DD	1.89	1.62	1.35	1.22
75	TE1212	150	25	DF	2.00	1.71	1.43	1.28
75	TE1213	200	25	DH	2.14	1.83	1.53	1.37
75	TE1300	1	50	BA	1.61	1.38	1.15	1.04
75	TE1301	2	50	BA	1.61	1.38	1.15	1.04
75	TE1302	3	50	BA	1.61	1.38	1.15	1.04
75	TE1302.1	4	50	BA	1.61	1.38	1.15	1.04
75	TE1303	5	50	BB	1.61	1.38	1.15	1.04
75	TE1303.3	8	50	BB	1.61	1.38	1.15	1.04
75	TE1304	10	50	CB	1.65	1.41	1.18	1.06
75	TE1304.2	15	50	CB	1.65	1.41	1.18	1.06
75	TE1305	20	50	CC	1.65	1.41	1.18	1.06
75	TE1305.5	25	50	CC	1.65	1.41	1.18	1.06
75	TE1306	35	50	DC	1.79	1.53	1.28	1.15
75	TE1307	50	50	DD	1.89	1.62	1.35	1.22
75	TE1308	75	50	DF	2.00	1.71	1.43	1.28
75	TE1309	100	50	DH	2.14	1.83	1.53	1.37
75	TE1400	1	100	BA	1.61	1.38	1.15	1.04
75	TE1401	2	100	BB	1.61	1.38	1.15	1.04
75	TE1402	3	100	CB	1.61	1.38	1.15	1.04
75	TE1404	5	100	CC	1.65	1.41	1.18	1.06
75	TE1407	10	100	DC	1.79	1.53	1.28	1.15
75	TE1408	15	100	DD	1.89	1.62	1.35	1.22
75	TE1409	20	100	DF	2.00	1.71	1.43	1.28
75	TE1410	25	100	DH	2.14	1.83	1.53	1.37
75	TE1411	30	100	DH	2.14	1.83	1.53	1.37
75	TE1500	1	150	BA	1.61	1.38	1.15	1.04
75	TE1504	5	150	CC	1.65	1.41	1.18	1.06
75	TE1506	8	150	DC	1.79	1.53	1.28	1.15
75	TE1507	10	150	DD	1.89	1.62	1.35	1.22
75	TE1508.1	15	150	DF	2.00	1.71	1.43	1.28

MOUSER STOCK NO.		Value (µF)	Volt	Case Code	Price Each			
Mfr.	Mfr. Part No.				1	50	100	500
75	516D227M016MM6A	220	16	MM	.28	.24	.20	.18
75	516D477M016MN6A	470	16	MN	.37	.32	.26	.24
75	516D107M025LM6A	100	25	LM	.28	.24	.20	.18
75	516D108M025PR6A	1000	25	PR	.83	.71	.59	.53
75	516D476M025LL6A	47	25	LL	.23	.20	.17	.15
75	516D227M025MM6A	220	25	MM	.32	.28	.23	.21
75	516D337M025MN6A	330	25	MN	.37	.32	.27	.24
75	516D477M025NR6A	470	25	NR	.53	.46	.38	.34
75	516D226M035JL6A	22	35	JL	.23	.20	.17	.15
75	516D476M035LM6A	47	35	LM	.24	.21	.18	.16
75	516D107M035MM6A	100	35	MM	.28	.24	.20	.18
75	516D227M035MN6A	220	35	MN	.37	.32	.27	.24
75	516D337M035NP6A	330	35	NP	.45	.39	.32	.29
75	516D108M035PS6A	1000	35	PS	.96	.82	.68	.61
75	516D107M050MM6A	100	50	MM	.37	.32	.26	.24
75	516D108M050QS6A	1000	50	QS	1.53	1.31	1.09	.98
75	516D105M050JL6A	1	50	JL	.19	.17	.14	.12
75	516D106M050JL6A	10	50	JL	.23	.20	.17	.15
75	516D227M050NP6A	220	50	NP	.45	.39	.32	.29
75	516D477M050PR6A	470	50	PR	.83	.71	.59	.53
75	516D475M063JL6A	4.7	63	JL	.19	.17	.14	.12
75	516D106M063JL6A	10	63	JL	.23	.20	.17	.15
75	516D226M063LL6A	22	63	LL	.24	.21	.17	.16
75	516D336M063LM6A	33	63	LM	.28	.24	.20	.18
75	516D476M063MM6A	47	63	MM	.28	.24	.20	.18
75	516D107M063MN6A	100	63	MN	.37	.32	.27	.24
75	516D227M063NR6A	220	63	NR	.64	.55	.46	.41
75	516D337M063PR6A	330	63	PR	.83	.71	.59	.53
75	516D477M063PS6A	470	63	PS	1.08	.93	.77	.70
75	516D476M100MN6A	47	100	MN	.37	.32	.26	.24

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

TYPE 517D ALUMINUM

+105°C Miniature Radial Lead



Specifications:

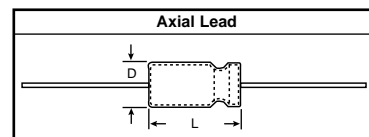
- Capacitance tolerance: ±20%
- Life validation test: 2000 hours @ +85°C
- Δ CAP ≥20% from initial measurement.
- Δ DF 2 x initial specified limit.
- Δ DCL ≤ initial specified limit.

Features:

- High CV per case size
- Solvent resistant construction (through 100WVDC)
- High temperature operation
- Life test to 2000 hours @ +105°C

MOUSER STOCK NO.	Vishay Part Number	Value (µF)	Case Size D x L (In.)	LS	Price Each		
					1	25	100
10 Volt Operating temperature: -55°C to +105°C							
75-517D10V100	517D107M010JA6A	100	.197 x .433	.079	.19	.14	.10
16 Volt Operating temperature: -55°C to +105°C							
75-517D16V33	517D336M016JA6A	33	.197 x .433	.079	.15	.11	.08
75-517D16V47	517D476M016JA6A	47	.197 x .433	.079	.19	.14	.10
75-517D16V100	517D107M016AA6A	100	.248 x .433	.098	.23	.17	.13
75-517D16V220	517D227M016BB6A	220	.315 x .453	.138	.28	.21	.16
75-517D16V330	517D337M016BB6A	330	.315 x .453	.138	.38	.28	.21
75-517D16V470	517D477M016CC6A	470	.394 x .492	.197	.41	.31	.23
75-517D16V1000	517D108M016CC6A	1000	.394 x .787	.197	.67	.50	.37
75-517D16V2200	517D228M016CK6A	2200	.492 x .984	.197	1.14	.86	.63
75-517D16V4700	517D478M016EN6A	4700	.630 x 1.240	.295	2.14	1.61	1.81
75-517D16V10000	517D109M016FV6A	10000	.709 x 1.575	.295	3.08	2.30	1.70
25 Volt Operating temperature: -55°C to +105°C							
75-517D25V22	517D226M025JA6A	22	.197 x .433	.079	.19	.14	.10
75-517D25V33	517D336M025JA6A	33	.197 x .433	.079	.19	.14	.10
75-517D25V47	517D476M025JA6A	47	.197 x .433	.079	.22	.17	.12
75-517D25V100	517D107M025AA6A	100	.248 x .433	.098	.27	.20	.15
75-517D25V220	517D227M025BB6A	220	.315 x .453	.138	.38	.28	.21
75-517D25V330	517D337M025CC6A	330	.394 x .492	.197	.48	.36	.27
75-517D25V470	517D477M025CC6A	470	.394 x .630	.197	.65	.49	.36
75-517D25V1000	517D108M025DC6A	1000	.492 x .787	.197	.75	.56	.41
75-517D25V2200	517D228M025EK6A	2200	.630 x .984	.295	1.60	1.20	.88
35 Volt Operating temperature: -55°C to +105°C							
75-517D35V4.7	517D475M035JA6A	4.7	.197 x .433	.079	.15	.11	.08
75-517D35V1000	517D108M035DK6A	1000	.492 x .984	.197	1.14	.86	.63
50 Volt Operating temperature: -55°C to +105°C							
75-517D50V1	517D105M050JA6A	1	.197 x .433	.079	.15	.11	.08
75-517D50V2.2	517D225M050JA6A	2.2	.197 x .433	.079	.15	.11	.08
75-517D50V3.3	517D335M050JA6A	3.3	.197 x .433	.079	.15	.11	.08
75-517D50V4.7	517D475M050JA6A	4.7	.197 x .433	.079	.15	.11	.08
75-517D50V10	517D106M050JA6A	10	.197 x .433	.079	.19	.14	.10
75-517D50V22	517D226M050JA6A	22	.197 x .433	.079	.22	.17	.12
75-517D50V33	517D336M050AA6A	33	.248 x .433	.098	.25	.19	.14
75-517D50V47	517D476M050AA6A	47	.248 x .433	.098	.27	.20	.15
75-517D50V100	517D107M050BB6A	100	.315 x .453	.138	.40	.30	.22
75-517D50V220	517D227M050CD6A	220	.394 x .630	.197	.59	.44	.33
75-517D50V330	517D337M050CG6A	330	.394 x .787	.197	.73	.55	.40
75-517D50V470	517D477M050DG6A	470	.492 x .787	.197	.83	.62	.46
75-517D50V1000	517D108M050EK6A	1000	.630 x .984	.295	1.32	.99	.72
75-517D50V2200	517D228M050FR6A	2200	.709 x 1.398	.295	2.88	2.16	1.59
100 Volt Operating temperature: -55°C to +105°C							
75-517D100V0.47	517D474M100JA6A	0.47	.197 x .433	.079	.15	.11	.08
75-517D100V1	517D105M100JA6A	1	.197 x .433	.079	.15	.11	.08
75-517D100V2.2	517D225M100JA6A	2.2	.197 x .433	.079	.15	.11	.08
75-517D100V3.3	517D335M100JA6A	3.3	.197 x .433	.079	.19	.14	.10
75-517D100V4.7	517D475M100JA6A	4.7	.197 x .433	.079	.19	.14	.10
75-517D100V10	517D106M100AA6A	10	.248 x .433	.098	.25	.19	.14
75-517D100V22	517D226M100BB6A	22	.315 x .453	.138	.28	.21	.16
75-517D100V33	517D336M100CC6A	33	.394 x .492	.197	.38	.28	.21
75-517D100V47	517D476M100CD6A	47	.394 x .630	.197	.42	.32	.23
75-517D100V100	517D107M100DG6A	100	.492 x .787	.197	.66	.49	.36
75-517D100V220	517D227M100EK6A	220	.630 x .984	.295	1.19	.89	.65
75-517D100V330	517D337M100EK6A	330	.630 x .984	.295	1.32	.99	.72
75-517D100V470	517D477M100EN6A	470	.630 x 1.240	.295	1.88	1.41	1.03
160 Volt Operating temperature: -40°C to +105°C							
75-517D160V1	517D105M160AA6A	1	.248 x .433	.098	.23	.17	.13
75-517D160V2.2	517D225M160AA6A	2.2	.248 x .433	.098	.28	.21	.15
75-517D160V10	517D106M160CC6A	10	.394 x .492	.197	.44	.33	.24
75-517D160V22	517D226M160CC6A	22	.394 x .787	.197	.64	.48	.35
75-517D160V33	517D336M160DC6A	33	.492 x .787	.197	.82	.62	.45
75-517D160V47	517D476M160DK6A	47	.492 x .984	.197	.94	.70	.52
75-517D160V100	517D107M160EK6A	100	.630 x .984	.295	1.46	1.10	.81
75-517D160V220	517D227M160FR6A	220	.709 x 1.398	.295	2.88	2.16	1.59
250 Volt Operating temperature: -40°C to +105°C							
75-517D250V1	517D105M250AA6A	1	.248 x .433	.098	.28	.21	.15
75-517D250V2.2	517D225M250BB6A	2.2	.315 x .453	.138	.35	.26	.19
75-517D250V4.7	517D475M250CC6A	4.7	.394 x .492	.197	.44	.33	.24
75-517D250V10	517D106M250CC6A	10	.394 x .787	.197	.64	.48	.35
75-517D250V22	517D226M250DK6A	22	.492 x .984	.197	.82	.62	.45
75-517D250V33	517D336M250DK6A	33	.492 x .984	.197	.94	.70	.52
75-517D250V47	517D476M250EK6A	47	.630 x .984	.295	1.46	1.10	.81
75-517D250V100	517D107M250FR6A	100	.709 x 1.398	.295	2.96	2.22	1.63

TYPE TVA ATOM® ALUMINUM Miniature Axial Lead (cont.)



Specifications:

- Operating temperature: -40°C to +85°C (6WVDC~100WVDC)
- -20°C to +85°C (101WVDC~450WVDC)
- -20°C to +65°C (500WVDC~600WVDC)

Features:

- Low leakage current.
- Ideal for application in TV sets, auto radios, radio-telephone combinations, and electronic testing equipment

MOUSER STOCK NO.	WVDC	Value (µF)	Case Size D x L (In.)	Price Each			
				1	25	100	250
75-TVA1162	16	500	.375 x .937	1.22	1.08	.97	.92
75-TVA1163	16	1000	.375 x 1.5	1.37	1.22	1.10	1.04
75-TVA1170	16	2000	.485 x 1.75	2.05	1.82	1.64	1.55
75-TVA1175	16	3000	.625 x 1.5	2.27	2.02	1.82	1.72
75-TVA1175.5	16	5000	1.0 x 2.125	3.83	3.40	3.06	2.89
75-TVA1204	25	10.0	.25 x .5	1.04	.92	.83	.78
75-TVA1204.5	25	20	.25 x .5	1.04	.92	.83	.78
75-TVA1205	25	25	.25 x .5	1.04	.92	.83	.78
75-TVA1206	25	50	.25 x .687	1.04	.92	.83	.78
75-TVA1207	25	100	.312 x .812	1.06	.94	.85	.80
75-TVA1207.5	25	150	.375 x .812	1.15	1.02	.92	.87
75-TVA1208	25	250	.375 x .937	1.22	1.08	.97	.92
75-TVA1208.5	25	300	.375 x .937	1.22	1.08	.97	.92
75-TVA1209	25	500	.485 x 1.25	1.58	1.40	1.26	1.19
75-TVA1211	25	1000	.485 x 1.5	1.82	1.62	1.46	1.38
75-TVA1213	25	2000	.625 x 1.75	2.50	2.22	2.00	1.89
75-TVA1300	50	1.0	.25 x .5	1.04	.92	.83	.78
75-TVA1301	50	2.0	.25 x .5	1.04	.92	.83	.78
75-TVA1303	50	5.0	.25 x .5	1.04	.92	.83	.78
75-TVA1304	50	10	.25 x .50	1.04	.92	.83	.78
75-TVA1305	50	15	.25 x .687	1.04	.92	.83	.78
75-TVA1305.5	50	20	.25 x .687	1.04	.92	.83	.78
75-TVA1306	50	25	.25 x .687	1.04	.92	.83	.78
75-TVA1308	50	50	.312 x .812	1.06	.94	.85	.80
75-TVA1310	50	100	.375 x .812	1.15	1.02	.92	.87
75-TVA1311	50	150	.375 x .937	1.22	1.08	.97	.92
75-TVA1311.5	50	200	.375 x 1.25	1.28	1.14	1.03	.97
75-TVA1312	50	250	.375 x 1.5	1.37	1.22	1.10	1.04
75-TVA1312.1	50	300	.438 x 1.25	1.58	1.40	1.26	1.19
75-TVA1315	50	500	.485 x 1.5	1.82	1.62	1.46	1.38
75-TVA1316	50	1000	.625 x 1.75	2.50	2.22	2.00	1.89
75-TVA1318	50	1500	.875 x 2.125	3.51	3.12	2.81	2.65
75-TVA1318.2	50	2000	1.125 x 2.125	4.37	3.88	3.49	3.30
75-TVA1318.3	50	2500	1.125 x 2.625	4.61	4.10	3.69	3.49
75-TVA1346	100	100	.438 x 1.5	1.71	1.52	1.37	1.29
75-TVA1376	100	500	1.375 x 3.125	4.16	3.70	3.33	3.15
75-TVA1400	150	1.0	.25 x .5	1.04	.92	.83	.78
75-TVA1402	150	4.0	.312 x .812	1.06	.94	.85	.80
75-TVA1403	150	5.0	.312 x .812	1.06	.94	.85	.80
75-TVA1405	150	8.0	.375 x .812	1.15	1.02	.92	.87
75-TVA1406	150	10	.375 x .812	1.15	1.02	.92	.87
75-TVA1409	150	16	.375 x .937	1.22	1.08	.97	.92
75-TVA1410	150	20	.375 x 1.25	1.28	1.14	1.03	.97
75-TVA1411	150	25	.375 x 1.25	1.28	1.14	1.03	.97
75-TVA1412	150	30	.438 x 1.25	1.58	1.40	1.26	1.19
75-TVA1413	150	40	.438 x 1.5	1.71	1.52	1.37	1.29</



5mm Height and Low Leakage Electrolytic Capacitors

ULTRA-MINIATURE ELECTROLYTIC CAPACITORS - 5mm HEIGHT

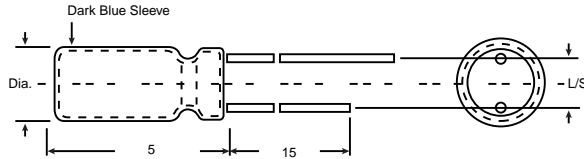
Cross Reference:

Marcon LSM, Panasonic: KS



Specifications:

- **Smallest leaded electrolytic available from stock**
- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Leakage current: I = 0.01 CV or 3 (µA), whichever is greater
- Available in tape and box



DIMENSIONS (mm)

LEAD SPACE CHART (mm)

Dia	L/S
3	1.5
4	1.5
5	2.0
6	2.5
8	3.5

Xicon Aluminum Capacitors

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
6.3 Volt						
140-L6.3V22	22	4	.15	.10	.075	.055
140-L6.3V33	33	4	.16	.12	.085	.060
140-L6.3V47	47	5	.16	.12	.085	.060
140-L6.3V100	100	6	.18	.14	.110	.080
140-L6.3V220	220	8	.18	.14	.090	.075
10 Volt						
140-L10V10	10	3	.16	.12	.090	.065
140-L10V22	22	5	.16	.12	.090	.065
140-L10V33	33	5	.16	.12	.090	.065
140-L10V47	47	6	.18	.14	.110	.080
140-L10V100	100	6	.18	.14	.110	.080
140-L10V220	220	8	.33	.25	.190	.140
16 Volt						
140-L16V4.7	4.7	3	.12	.10	.080	.055
140-L16V10	10	4	.12	.10	.080	.055
140-L16V22	22	4	.16	.12	.090	.065
140-L16V33	33	5	.18	.14	.110	.080
140-L16V47	47	6	.18	.14	.110	.080
140-L16V100	100	8	.32	.25	.190	.140
25 Volt						
140-L25V3.3	3.3	3	.18	.14	.090	.075
140-L25V4.7	4.7	4	.18	.14	.090	.075
140-L25V10	10	5	.16	.12	.090	.065

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
25 Volt						
140-L25V22	22	6	.18	.14	.110	.080
140-L25V33	33	6	.18	.14	.110	.080
140-L25V47	47	6	.18	.14	.110	.080
140-L25V100	100	8	.18	.14	.110	.080
35 Volt						
140-L35V2.2	2.2	3	.18	.14	.090	.075
140-L35V3.3	3.3	4	.12	.10	.075	.055
140-L35V4.7	4.7	4	.12	.10	.075	.055
140-L35V10	10	5	.16	.12	.090	.065
140-L35V22	22	6	.18	.14	.110	.080
140-L35V33	33	6	.32	.25	.190	.140
140-L35V47	47	8	.32	.25	.190	.140
50 Volt						
140-L50V.1	0.1	3	.18	.14	.110	.080
140-L50V.22	0.22	3	.18	.14	.110	.080
140-L50V.33	0.33	3	.18	.14	.110	.080
140-L50V.47	0.47	3	.18	.14	.110	.080
140-L50V1.0	1	3	.18	.14	.110	.080
140-L50V2.2	2.2	4	.12	.10	.075	.055
140-L50V3.3	3.3	4	.12	.10	.075	.055
140-L50V4.7	4.7	5	.15	.11	.085	.060
140-L50V10	10	6	.18	.14	.110	.080
140-L50V22	22	6	.28	.22	.170	.110
140-L50V33	33	6	.28	.22	.170	.110

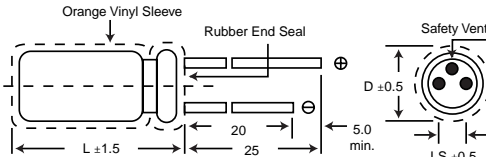
LOW LEAKAGE CURRENT ELECTROLYTICS

Electrical Specifications:

- DC leakage current: I=0.002CV or 0.4µA whichever is greater
- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20%
- Lead space for Tape and Box is 5.0mm

Application Note:

A higher voltage capacitor may be used in a lower voltage application.



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

To order Tape and Box, add -TB to Mouser Stock No.

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price per Piece
10 Volt (13V Surge)							
140-LLRL10V47	47	5 x 11	.22	.11	.09	2000	.058
140-LLRL10V100	100	6.3 x 11	.24	.12	.10	2000	.074
140-LLRL10V220	220	8 x 11	.34	.17	.14	2000	.097
140-LLRL10V330	330	8 x 13	.33	.22	.18	1000	.16
140-LLRL10V470	470	10 x 13	.39	.26	.22	1000	.18
140-LLRL10V1000	1000	10 x 20	.63	.42	.35	500	.35
140-LLRL10V2200	2200	13 x 21	1.02	.77	.64	500	.64
140-LLRL10V3300	3300	13 x 26	1.29	1.07	.92	500	.92
140-LLRL10V4700	4700	16 x 27	1.47	1.22	1.02	---	---
16 Volt (20V Surge)							
140-LLRL16V10	10	5 x 11	.22	.11	.09	2000	.058
140-LLRL16V22	22	5 x 11	.20	.10	.08	2000	.058
140-LLRL16V33	33	5 x 11	.20	.10	.08	2000	.058
140-LLRL16V47	47	5 x 11	.24	.12	.10	2000	.064
140-LLRL16V100	100	8 x 11	.34	.17	.14	2000	.097
140-LLRL16V220	220	10 x 13	.35	.23	.19	1000	.16
140-LLRL16V330	330	10 x 16	.39	.26	.22	1000	.18
140-LLRL16V470	470	13 x 21	.49	.33	.28	500	.28
140-LLRL16V1000	1000	13 x 27	.77	.52	.43	500	.43
140-LLRL16V2200	2200	16 x 27	1.26	.84	.70	500	.70
140-LLRL16V3300	3300	16 x 27	1.56	1.30	1.08	---	---
25 Volt (32V Surge)							
140-LLRL25V100	100	8 x 11	.35	.18	.15	2000	.11
140-LLRL25V220	220	10 x 13	.42	.28	.23	1000	.20
140-LLRL25V330	330	10 x 20	.58	.39	.32	500	.32
140-LLRL25V470	470	10 x 20	.70	.46	.39	500	.39
140-LLRL25V1000	1000	13 x 26	1.05	.81	.67	500	.67
140-LLRL25V2200	2200	16 x 32	1.67	1.34	1.12	---	---

* Standard lead space for tape and box package is 5.0 mm

To order Tape and Box, add -TB to Mouser Stock No.

DIMENSIONS (mm)

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price per piece
35 Volt (44V Surge)							
140-LLRL35V4.7	4.7	5 x 11	.22	.11	.09	2000	.058
140-LLRL35V10	10	5 x 11	.22	.11	.09	2000	.058
140-LLRL35V22	22	6.3 x 11	.24	.12	.10	2000	.066
140-LLRL35V33	33	6.3 x 11	.28	.14	.11	2000	.074
140-LLRL35V47	47	8 x 11	.34	.17	.14	2000	.097
140-LLRL35V100	100	8 x 13	.35	.23	.20	1000	.16
140-LLRL35V220	220	10 x 16	.58	.38	.32	500	.32
140-LLRL35V330	330	13 x 21	.65	.50	.42	500	.42
140-LLRL35V470	470	13 x 26	.81	.62	.52	500	.52
140-LLRL35V1000	1000	16 x 27	1.18	.91	.75	500	.75
140-LLRL35V2200	2200	18 x 37	2.23	1.71	1.55	---	---
50 Volt (63V Surge)							
140-LLRL50V0.47	0.47	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V1.0	1.0	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V2.2	2.2	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V3.3	3.3	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V4.7	4.7	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V10	10	6.3 x 11	.24	.12	.10	2000	.066
140-LLRL50V22	22	6.3 x 11	.32	.16	.13	2000	.089
140-LLRL50V33	33	8 x 11	.36	.18	.15	2000	.11
140-LLRL50V47	47	8 x 13	.38	.23	.19	2000	.13
140-LLRL50V100	100	10 x 16	.64	.36	.24	1000	.20
140-LLRL50V220	220	13 x 21	.68	.53	.44	500	.44
140-LLRL50V330	330	13 x 26	.92	.71	.60	500	.60
140-LLRL50V470	470	16 x 27	.97	.75	.62	500	.62
140-LLRL50V1000	1000	16 x 36	1.95	1.63	1.36	---	---

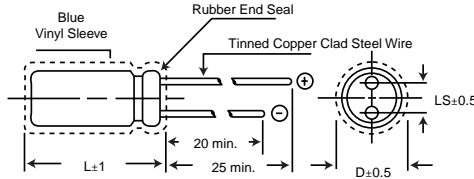


7mm Height Radial Electrolytic Capacitors

7mm HEIGHT 105 DEGREE C RADIAL ELECTROLYTIC CAPACITORS

Specifications:

- Operating Temperature: -40°C to +105°C
- Tolerance +/- 20%
- Leakage Current: I = .01CV or 3uA whichever is greater
- Meets Tight Board Space Requirements.
- Can be used in place of expensive tantalum capacitors.



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
10 Volt						
140-MLRH10V22	22	4	.29	.095	.068	.046
140-MLRH10V33	33	4	.29	.095	.068	.046
140-MLRH10V47	47	5	.31	.110	.081	.054
140-MLRH10V100	100	6	.33	.120	.095	.064
140-MLRH10V220	220	8	.44	.200	.132	.090
16 Volt						
140-MLRH16V10	10	4	.29	.095	.068	.046
140-MLRH16V22	22	4	.29	.095	.068	.046
140-MLRH16V33	33	5	.31	.110	.081	.054
140-MLRH16V47	47	6	.33	.120	.095	.064
140-MLRH16V100	100	6	.35	.140	.110	.072
25 Volt						
140-MLRH25V33	33	6	.33	.120	.095	.064

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
35 Volt						
140-MLRH35V4.7	4.7	4	.29	.095	.068	.046
140-MLRH35V10	10	5	.31	.110	.081	.054
140-MLRH35V22	22	6	.33	.120	.095	.064
50 Volt						
140-MLRH50V.1	0.1	4	.29	.095	.068	.046
140-MLRH50V.22	0.22	4	.29	.095	.068	.046
140-MLRH50V.33	0.33	4	.29	.095	.068	.046
140-MLRH50V.47	0.47	4	.29	.095	.068	.046
140-MLRH50V1.0	1	4	.29	.095	.068	.046
140-MLRH50V2.2	2.2	4	.29	.095	.068	.046
140-MLRH50V3.3	3.3	4	.29	.095	.068	.046
140-MLRH50V4.7	4.7	5	.31	.095	.068	.054
140-MLRH50V10	10	6	.33	.120	.095	.064

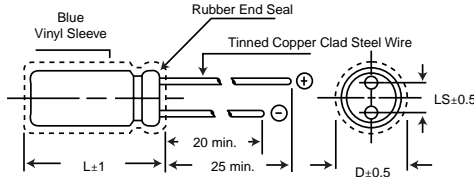
Aluminum Capacitors Xicon



7mm NON-POLAR RADIAL ELECTROLYTIC CAPACITORS

Specifications:

- For use in circuits that reverse in polarity or circuits to which short duration AC voltages are impressed.
- Meets Tight Board Space Requirements.
- Capacitance tolerance +/- 20%.
- Operating Temperature Range -40°C to +85°C.
- Leakage Current: I = .05CV or 10 uA whichever is greater.



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
10 Volt						
140-MLNP10V22	22	4	.31	.22	.18	.13
140-MLNP10V33	33	4	.33	.23	.19	.14
140-MLNP10V47	47	5	.35	.27	.23	.18
16 Volt						
140-MLNP16V10	10	4	.31	.22	.18	.13
140-MLNP16V22	22	4	.33	.23	.19	.14
140-MLNP16V33	33	5	.35	.27	.23	.18
35 Volt						
140-MLNP35V4.7	4.7	4	.31	.22	.18	.13
140-MLNP35V10	10	5	.35	.27	.23	.18
140-MLNP35V22	22	6	.35	.27	.23	.18

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
50 Volt						
140-MLNP50V.1	0.1	4	.30	.20	.16	.11
140-MLNP50V.22	0.22	4	.30	.20	.16	.11
140-MLNP50V.33	0.33	4	.30	.20	.16	.11
140-MLNP50V.47	0.47	4	.30	.20	.16	.11
140-MLNP50V1.0	1	4	.30	.20	.16	.11
140-MLNP50V2.2	2.2	4	.30	.20	.16	.11
140-MLNP50V3.3	3.3	4	.31	.22	.18	.13
140-MLNP50V4.7	4.7	5	.33	.23	.19	.14
140-MLNP50V10	10	6	.35	.27	.23	.18



SUB-MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS - 7mm HEIGHT

Specifications:

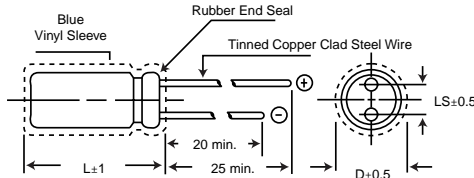
- Meets tight board space requirements
- Capacitance tolerance: ±20%
- Operating temperature range: -40°C to +85°C
- DC leakage current: (after 3 minutes application of DC working voltage at 25°C) I = 0.02CV + 3µA max
- Replacement for expensive tantalum capacitors
- Lead space for Tape and Box is 5.0mm

Application Note:

A higher voltage capacitor may be used in a lower voltage application.

Cross Reference:

Panasonic: KA Series



LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

To order Tape and Box, add -TB to Mouser Stock No.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price per piece
10 Volt (13V Surge)							
140-MLRL10V22	22	4 x 7	.08	.062	.057	2500	.033
140-MLRL10V33	33	4 x 7	.08	.062	.057	2500	.033
140-MLRL10V47	47	5 x 7	.10	.074	.067	2500	.040
140-MLRL10V100	100	6.3 x 7	.12	.087	.079	2500	.048
140-MLRL10V220	220	8 x 7	.17	.120	.110	2500	.068
16 Volt (20V Surge)							
140-MLRL16V10	10	4 x 7	.08	.062	.057	2500	.033
140-MLRL16V22	22	4 x 7	.08	.062	.057	2500	.035
140-MLRL16V33	33	5 x 7	.10	.074	.067	2500	.040
140-MLRL16V47	47	6.3 x 7	.12	.087	.079	2500	.048
140-MLRL16V100	100	6.3 x 7	.13	.099	.090	2500	.053
25 Volt (32V Surge)							
140-MLRL25V33	33	6.3 x 7	.12	.087	.079	2500	.048

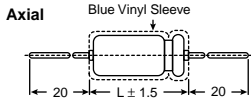
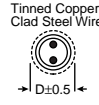
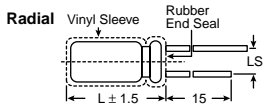
To order Tape and Box, add -TB to Mouser Stock No.

DIMENSIONS (mm)

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price per piece
35 Volt (44V Surge)							
140-MLRL35V4.7	4.7	4 x 7	.08	.062	.057	2500	.035
140-MLRL35V10	10	5 x 7	.10	.074	.067	2500	.040
140-MLRL35V22	22	6.3 x 7	.12	.087	.079	2500	.048
50 Volt (63V Surge)							
140-MLRL50V.1	.1	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V.22	.22	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V.33	.33	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V.47	.47	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V1.0	1.0	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V2.2	2.2	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V3.3	3.3	4 x 7	.08	.062	.057	2500	.033
140-MLRL50V4.7	4.7	5 x 7	.10	.074	.067	2500	.040
140-MLRL50V10	10	6.3 x 7	.12	.087	.079	2500	.048

Xicon Non-Polar, Bi-Polar, High Frequency and Low ESR Capacitors

XICON Passive Components NON-POLAR AND BI-POLAR



Non-Polarized Axial and Radial Electrolytics

DIMENSIONS (mm)

For use in circuits that are reversed in polarity or circuits to which short duration AC voltages are impressed.

Specifications:

- Capacitance tolerance: ±10%
- Leakage current: I=0.02CV=3µA max.
- Vinyl sleeve color: blue
- Dissipation factor (25°C): @120Hz=15% @1KHz=20%
- Operating temperature range: -40°C to +85°C

MOUSER STOCK NO.	WVDC	Value (µF)	Dimensions (mm)			Price Each					
			D	L	LS	1	100	500	1000	2000+	
Radial Lead Type											
140-NPRL50V1.0	50	1.0	5	11	2.0	.18	.09	.08	.07	Call for Quote	
140-NPRL50V2.2	50	2.2	5	11	2.0	.18	.09	.08	.07		
140-NPRL50V3.3	50	3.3	5	11	2.0	.20	.10	.09	.08		
140-NPRL50V4.7	50	4.7	5	11	2.0	.20	.10	.09	.08		
140-NPRL50V6.8	50	6.8	6	11	2.5	.35	.26	.21	.15		
140-NPRL50V10	50	10	8	11	3.5	.24	.12	.11	.10		
140-NPRL50V15	50	15	8	15	3.5	.46	.34	.26	.20		
140-NPRL50V22	50	22	8	11	3.5	.36	.18	.17	.15		
140-NPRL50V33	50	33	8	13	3.5	.46	.23	.21	.19		
140-NPRL50V47	50	47	10	16	5.0	.49	.33	.30	.27		
140-NPRL50V68	50	68	10	20	5.0	.88	.64	.51	.39		
140-NPRL50V100	50	100	10	20	5.0	.74	.49	.45	.41		
Axial Lead Type											
140-NPAL50V1.0	50	1.0	6.3	12	---	.38	.28	.22	.16		Call for Quote
140-NPAL50V2.2	50	2.2	6.3	12	---	.43	.31	.24	.18		
140-NPAL50V3.3	50	3.3	6.3	12	---	.45	.33	.25	.20		
140-NPAL50V4.7	50	4.7	6.3	12	---	.48	.35	.28	.21		
140-NPAL50V5.6	50	5.6	6.3	12	---	.49	.44	.28	.21		
140-NPAL50V6.8	50	6.8	6.3	12	---	.55	.49	.31	.24		
140-NPAL50V10	50	10	6.3	12	---	.61	.44	.35	.26		
140-NPAL50V15	50	15	8	13	---	.71	.53	.40	.31		
140-NPAL50V22	50	22	8	16	---	.81	.58	.46	.35		
140-NPAL50V33	50	33	8	16	---	.94	.70	.54	.41		
140-NPAL50V47	50	47	10	17	---	1.09	.78	.62	.47		
140-NPAL50V68	50	68	10	26	---	1.25	.93	.71	.55		
140-NPAL50V100	50	100	10	21	---	1.45	1.04	.83	.62		
140-NPAL50V200	50	200	13	32	---	1.81	1.51	1.37	1.25		

NON-POLAR AND BI-POLAR (cont.)

XICON Passive Components

MOUSER STOCK NO.	WVDC	Value (µF)	Dimensions (mm)			Price Each				
			D	L	LS	1	100	500	1000	2000+
Axial Lead Type (cont.)										
140-NPAL100V1.0	100	1.0	6.3	12	---	.47	.33	.26	.21	Call for Quote
140-NPAL100V2.2	100	2.2	6.3	12	---	.56	.40	.31	.24	
140-NPAL100V3.3	100	3.3	6.3	16	---	.69	.49	.38	.28	
140-NPAL100V4.7	100	4.7	6.3	16	---	.74	.53	.40	.31	
140-NPAL100V6.8	100	6.8	8	20	---	.77	.55	.47	.36	
140-NPAL100V10	100	10	8	16	---	.79	.56	.53	.40	
140-NPAL100V15	100	15	10	26	---	1.12	.79	.61	.47	
140-NPAL100V22	100	22	10	22	---	1.30	.93	.71	.55	
140-NPAL100V33	100	33	10	24	---	1.94	1.40	1.07	.83	
140-NPAL100V47	100	47	10	30	---	2.79	2.15	1.66	1.28	
140-NPAL100V68	100	68	13	24	---	4.04	3.12	2.39	1.85	
140-NPAL100V100	100	100	16	28	---	4.43	3.40	2.62	2.01	
140-NPAL100V220	100	220	16	37	---	5.95	4.96	4.13	3.44	

XICON Passive Components

AUDIO FREQUENCY BI-POLARS

Specifications:

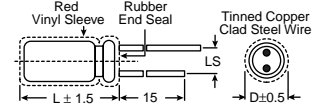
- Operating temperature range: -40°C to +85°C
- Tangent of the loss angle: 0.05 max. @ 120Hz
- Vinyl sleeve color: metallic blue
- Capacitance tolerance: ±20%
- Leakage current: 100µA max.

MOUSER STOCK NO.	WVDC	Value (µF)	Dimensions (mm)			Price Each				
			D	L	LS	1	100	500	1000	2000+
Radial Lead Type										
140-BPRL50V1.0	50	1.0	8	11	3.5	.31	.16	.14	.13	Call for Quote
140-BPRL50V2.2	50	2.2	10	13	5.0	.52	.35	.32	.29	
140-BPRL50V3.3	50	3.3	10	16	5.0	.52	.35	.32	.29	
140-BPRL50V4.7	50	4.7	10	20	5.0	.52	.35	.32	.29	
140-BPRL50V6.8	50	6.8	13	21	5.0	.40	.33	.30	.28	
140-BPRL50V10	50	10	13	26	5.0	.72	.48	.43	.39	
140-BPRL50V22	50	22	16	27	7.5	1.26	.84	.76	.70	

XICON Passive Components

HIGH FREQUENCY BI-POLARS

- Horizontal Deflection Circuit
- Operating temperature range: -25°C to +85°C
- Leakage current: I=0.2 CV (µA)
- Capacitance tolerance: ±20%
- Dissipation factor (20°C): 0.05 @ 120Hz



DIMENSIONS (mm)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)			Ripple (Ip-p)		Price Each				
		D	L	LS	70°C	85°C	1	100	500	1000	2000+
140-BPHR50V1.0	1.0	13	26	5.0	4	3.5	.79	.62	.57	.52	Call for Quote
140-BPHR50V2.2	2.2	16	27	7.5	6	4	.87	.67	.59	.55	
140-BPHR50V3.3	3.3	16	32	7.5	6.5	4.5	.99	.77	.69	.63	
140-BPHR50V4.7	4.7	16	25	7.5	7.5	5	1.05	.82	.74	.67	
140-BPHR50V6.8	6.8	16	36	7.5	8	5.5	1.13	.87	.79	.72	
140-BPHR50V8.2	8.2	16	36	7.5	9.0	6.5	1.20	.92	.84	.76	
140-BPHR50V10	10	16	36	7.5	10	7	1.29	1.08	.99	.89	
140-BPHR50V12	12	18	41	7.5	12	8.5	1.50	1.25	1.14	1.04	
140-BPHR50V15	15	22	41	10	12.5	9.0	2.07	1.72	1.57	1.43	
140-BPHR50V22	22	22	40	10	13	9.5	2.37	2.01	1.83	1.64	
140-BPHR50V33	33	33	40	10	14	10	2.98	2.52	2.30	2.06	

XICON Passive Components

LOW ESR ELECTROLYTIC CAPACITORS

Features:

- High permissible ripple current
- Wide operating temperature range
- Suited for switching power supplies

Specifications:

- Operating temperature: -55°C to +105°C
- Life test: load life = 2000 hours
- Leakage current: 0.01CV or 3µA

5mm to 13mm Diameter available packaged in Tape and Box. To order Tape and Box, add -TB to Mouser Stock No.

LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

Application Note:

A higher voltage capacitor may be used in a lower voltage application.

Dissipation factor (Tan δ, at 20°C 120 Hz)

Rated voltage (V)	6.3	10	16	25	35	50	63	100
Tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.07

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Max. ESR Ω @ 20°C 100KHZ	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
				1	100	500	Qty.	Price per Piece
16 Volt (20V Surge)								
140-ESRL16V100	100	.70	6.3 x 11	.44	.23	.18	2000	.12
140-ESRL16V220	220	.33	8 x 11.5	.50	.27	.22	1000	.18
140-ESRL16V330	330	.23	10 x 12.5	.56	.30	.24	500	.24
140-ESRL16V470	470	.18	10 x 16	.61	.32	.26	500	.26
140-ESRL16V1000	1000	.11	13 x 20	.96	.54	.44	500	.44
140-ESRL16V2200	2200	.073	13 x 26	1.58	.87	.68	500	.68
140-ESRL16V3300	3300	.055	16 x 31.5	2.05	1.12	.87	---	---
140-ESRL16V4700	4700	.046	16 x 35.5	2.75	1.40	1.16	---	---
25 Volt (32V Surge)								
140-ESRL25V33	33	1.60	5 x 11	.28	.14	.12	2000	.078
140-ESRL25V47	47	1.10	6.3 x 11	.34	.16	.14	2000	.091
140-ESRL25V100	100	.49	8 x 11.5	.46	.21	.19	1000	.16
140-ESRL25V220	220	.33	10 x 12.5	.57	.27	.24	500	.24
140-ESRL25V330	330	.19	10 x 16	.62	.28	.26	500	.26
140-ESRL25V470	470	.13	10 x 20	.86	.41	.37	500	.37
140-ESRL25V1000	1000	.072	13 x 26	1.34	.63	.57	500	.57
50 Volt (63V Surge)								
140-ESRL50V4.7	4.7	4.70	5 x 11	.24	.12	.099	2000	.063
140-ESRL50V10	10	2.20	5 x 11	.24	.12	.099	2000	.066

DIMENSIONS (mm)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Max. ESR Ω @ 20°C 100KHZ	Case Size D x L (mm) Max.	Price Each			Tape and Box	
				1	100	500	Qty.	Price per Piece
50 Volt (63V Surge) cont.								
140-ESRL50V22	22	.98	6.3 x 11	.29	.14	.12	2000	.085
140-ESRL50V33	33	.65	6.3 x 11	.45	.21	.19	2000	.13
140-ESRL50V47	47	.45	6.3 x 11	.46	.21	.19	2000	.13
140-ESRL50V100	100	.17	10 x 16	.62	.28	.26	500	.26
140-ESRL50V220	220	.11	10 x 25	.84	.46	.36	500	.36
140-ESRL50V330	330	.081	13 x 20	1.04	.62	.54	500	.54
140-ESRL50V470	470	.066	13 x 26	1.35	.75	.58	500	.58
140-ESRL50V1000	1000	.046	16 x 31.5	2.00	1.27	.85	---	---
100 Volt (100V Surge)								
140-ESRL100V1.0	1.0	17.00	5 x 11	.24				

Xicon 85°C Radial Aluminum Electrolytic Capacitors

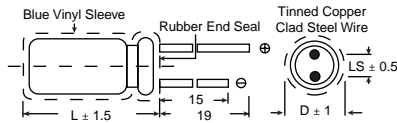


85°C RADIAL ALUMINUM ELECTROLYTIC CAPACITORS

DIMENSIONS (mm)

Specifications:

- Operating temperature range: 10V to 250V: -40°C to +85°C, 350V to 450V: -25°C to +85°C
- Tolerance: ±20%



5mm - 13mm diameter available packaged in Tape and Box.
To order Tape and Box, add - TB to Mouser Stock No.

Dia	L/S	Dia	L/S
4	1.5	16	7.5
5	2.0	18	7.5
6.3	2.5	22	10
8	3.5	25	12.5
10	5.0		
13	5.0	Tape	5.0

Application Note:

A higher voltage capacitor may be used in a lower voltage application.

* Standard lead space for tape and box package is 5.0mm For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Min. Qty *	Price per Piece
10 Volt							
140-XRL10V10	10	5 x 11	.05	.035	.027	2000	.022
140-XRL10V22	22	5 x 11	.05	.035	.027	2000	.022
140-XRL10V47	47	5 x 11	.05	.035	.027	2000	.022
140-XRL10V100	100	5 x 11	.05	.039	.033	2000	.027
140-XRL10V220	220	6.3 x 11	.06	.045	.038	2000	.035
140-XRL10V330	330	8 x 11	.09	.065	.052	1000	.049
140-XRL10V470	470	8 x 11	.10	.073	.059	1000	.055
140-XRL10V1000	1000	10 x 13	.15	.11	.097	500	.097
140-XRL10V2200	2200	13 x 21	.31	.24	.21	300	.24
140-XRL10V3300	3300	13 x 26	.35	.27	.24	300	.27
140-XRL10V4700	4700	16 x 27	.55	.43	.37	---	---
140-XRL10V6800	6800	16 x 36	.71	.55	.47	---	---
140-XRL10V10000	10000	18 x 41	1.10	.86	.74	---	---
16 Volt							
140-XRL16V2.2	2.2	5 x 11	.05	.035	.027	2000	.022
140-XRL16V3.3	3.3	5 x 11	.05	.035	.027	2000	.022
140-XRL16V4.7	4.7	5 x 11	.05	.035	.027	2000	.022
140-XRL16V10	10	5 x 11	.05	.035	.027	2000	.022
140-XRL16V22	22	5 x 11	.05	.035	.027	2000	.022
140-XRL16V33	33	5 x 11	.05	.035	.027	2000	.022
140-XRL16V47	47	5 x 11	.05	.035	.027	2000	.022
140-XRL16V100	100	6.3 x 11	.06	.049	.043	2000	.035
140-XRL16V220	220	8 x 11	.09	.071	.062	1000	.057
140-XRL16V330	330	8 x 11	.09	.071	.062	1000	.057
140-XRL16V470	470	10 x 13	.14	.10	.083	500	.083
140-XRL16V680	680	10 x 16	.19	.15	.13	500	.13
140-XRL16V1000	1000	10 x 16	.19	.15	.13	500	.13
140-XRL16V1500	1500	13 x 21	.31	.24	.21	300	.24
140-XRL16V2200	2200	13 x 21	.35	.27	.24	300	.27
140-XRL16V3300	3300	16 x 27	.56	.44	.37	---	---
140-XRL16V4700	4700	16 x 32	.69	.53	.45	---	---
140-XRL16V6800	6800	16 x 32	1.16	.90	.77	---	---
140-XRL16V10000	10000	18 x 36	1.41	1.10	.94	---	---
25 Volt							
140-XRL25V0.47	.47	5 x 11	.05	.035	.027	2000	.022
140-XRL25V1.0	1.0	5 x 11	.05	.035	.027	2000	.022
140-XRL25V2.2	2.2	5 x 11	.05	.035	.027	2000	.022
140-XRL25V4.7	4.7	5 x 11	.05	.035	.027	2000	.022
140-XRL25V10	10	5 x 11	.05	.035	.027	2000	.022
140-XRL25V22	22	5 x 11	.05	.035	.027	2000	.022
140-XRL25V33	33	5 x 11	.05	.035	.027	2000	.022
140-XRL25V47	47	5 x 11	.05	.035	.027	2000	.022
140-XRL25V100	100	6.3 x 11	.07	.047	.035	2000	.033
140-XRL25V220	220	8 x 11	.10	.073	.060	1000	.056
140-XRL25V330	330	10 x 16	.14	.10	.080	500	.08
140-XRL25V470	470	10 x 16	.14	.11	.097	500	.097
140-XRL25V1000	1000	13 x 21	.31	.24	.21	300	.24
140-XRL25V2200	2200	16 x 27	.56	.44	.37	---	---
140-XRL25V3300	3300	16 x 32	.84	.65	.56	---	---
140-XRL25V4700	4700	18 x 37	1.05	.79	.66	---	---
140-XRL25V6800	6800	22 x 41	1.41	1.10	.94	---	---
140-XRL25V10000	10000	25 x 41	2.64	2.05	1.76	---	---
35 Volt							
140-XRL35V4.7	4.7	5 x 11	.05	.035	.027	2000	.022
140-XRL35V10	10	5 x 11	.05	.035	.027	2000	.022
140-XRL35V22	22	5 x 11	.05	.035	.027	2000	.022
140-XRL35V33	33	6.3 x 11	.06	.038	.027	2000	.022
140-XRL35V47	47	6.3 x 11	.07	.053	.045	2000	.041
140-XRL35V100	100	8 x 11	.09	.071	.062	1000	.057
140-XRL35V220	220	10 x 13	.13	.10	.092	500	.086
140-XRL35V330	330	10 x 20	.15	.11	.097	500	.097
140-XRL35V470	470	10 x 20	.12	.16	.14	500	.14
140-XRL35V680	680	13 x 26	.38	.29	.25	300	.29
140-XRL35V1000	1000	13 x 26	.41	.31	.26	300	.31
140-XRL35V2200	2200	16 x 32	.69	.55	.48	---	---
140-XRL35V3300	3300	18 x 37	1.05	.79	.67	---	---
140-XRL35V4700	4700	18 x 36	1.41	1.19	1.08	---	---
140-XRL35V6800	6800	22 x 41	2.64	2.05	1.76	---	---
50 Volt							
140-XRL50V0.22	.22	5 x 11	.05	.035	.027	2000	.022
140-XRL50V.47	.47	5 x 11	.05	.035	.027	2000	.022
140-XRL50V1.0	1.0	5 x 11	.05	.035	.027	2000	.022
140-XRL50V2.2	2.2	5 x 11	.05	.035	.027	2000	.022

To order Tape and Box, add - TB to Mouser Stock No.

* Standard lead space for tape and box package is 5.0mm

** Buy Tape and Box package in multiples of Minimum Quantity

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box *	
			1	100	500	Min. Qty **	Price per Piece
50 Volt							
140-XRL50V3.3	3.3	5 x 11	.05	.035	.027	2000	.022
140-XRL50V4.7	4.7	5 x 11	.05	.035	.027	2000	.022
140-XRL50V10	10	5 x 11	.05	.035	.027	2000	.022
140-XRL50V15	15	5 x 11	.05	.038	.032	2000	.027
140-XRL50V22	22	6.3 x 11	.05	.038	.032	2000	.027
140-XRL50V33	33	6.3 x 11	.07	.055	.047	2000	.043
140-XRL50V47	47	8 x 11	.07	.055	.047	2000	.043
140-XRL50V100	100	8 x 11	.09	.067	.056	1000	.052
140-XRL50V220	220	10 x 16	.17	.13	.11	500	.11
140-XRL50V330	330	13 x 21	.23	.18	.16	300	.18
140-XRL50V470	470	13 x 21	.37	.29	.25	300	.29
140-XRL50V1000	1000	16 x 27	.58	.45	.38	---	---
140-XRL50V2200	2200	18 x 41	.98	.76	.65	---	---
140-XRL50V3300	3300	22 x 41	2.27	1.76	1.51	---	---
140-XRL50V4700	4700	25 x 41	2.64	2.05	1.76	---	---
63 Volt							
140-XRL63V1.0	1.0	5 x 11	.05	.035	.027	2000	.022
140-XRL63V2.2	2.2	5 x 11	.05	.035	.027	2000	.022
140-XRL63V4.7	4.7	5 x 11	.05	.035	.027	2000	.022
140-XRL63V6.8	6.8	5 x 11	.05	.035	.027	2000	.022
140-XRL63V10	10	5 x 11	.06	.042	.033	2000	.028
140-XRL63V22	22	6.3 x 11	.07	.048	.037	2000	.035
140-XRL63V33	33	8 x 11	.07	.055	.047	1000	.043
140-XRL63V47	47	8 x 11	.09	.067	.056	1000	.052
140-XRL63V68	68	10 x 16	.12	.097	.086	500	.086
140-XRL63V100	100	10 x 13	.12	.097	.086	500	.086
140-XRL63V220	220	10 x 20	.24	.19	.16	500	.16
140-XRL63V470	470	16 x 27	.45	.35	.30	---	---
140-XRL63V1000	1000	16 x 32	.81	.63	.54	---	---
140-XRL63V2200	2200	22 x 41	1.42	1.10	.95	---	---
100 Volt							
140-XRL100V0.1	.1	5 x 11	.05	.039	.033	2000	.027
140-XRL100V0.47	.47	5 x 11	.05	.039	.033	2000	.027
140-XRL100V1.0	1.0	5 x 11	.05	.039	.033	2000	.027
140-XRL100V2.2	2.2	5 x 11	.05	.039	.033	2000	.027
140-XRL100V3.3	3.3	5 x 11	.05	.039	.033	2000	.027
140-XRL100V4.7	4.7	5 x 11	.06	.042	.033	2000	.027
140-XRL100V10	10	6.3 x 11	.07	.048	.037	2000	.035
140-XRL100V22	22	8 x 11	.09	.070	.060	1000	.056
140-XRL100V33	33	10 x 16	.14	.10	.085	500	.085
140-XRL100V47	47	10 x 16	.18	.14	.11	500	.11
140-XRL100V100	100	10 x 20	.30	.23	.20	500	.20
140-XRL100V220	220	13 x 21	.56	.44	.37	300	.44
140-XRL100V330	330	16 x 32	.65	.51	.44	---	---
140-XRL100V470	470	18 x 37	.86	.67	.57	---	---
160 Volt							
140-XRL160V1.0	1.0	5 x 11	.06	.048	.042	2000	.039
140-XRL160V2.2	2.2	6.3 x 11	.08	.061	.052	2000	.049
140-XRL160V3.3	3.3	8 x 12	.08	.063	.054	1000	.051
140-XRL160V4.7	4.7	8 x 13	.09	.071	.062	1000	.058
140-XRL160V10	10	10 x 16	.15	.12	.098	500	.098
140-XRL160V22	22	10 x 21	.20	.15	.12	300	.15
140-XRL160V33	33	13 x 21	.25	.20	.17	300	.20
140-XRL160V47	47	13 x 26	.37	.29	.25	300	.29
140-XRL160V100	100	16 x 27	.60	.46	.39	---	---
140-XRL160V220	220	18 x 41	1.24	.96	.83		

Xicon High Temperature Aluminum Electrolytic Capacitors



105°C HIGH TEMP. RADIAL ELECTROLYTICS

Electrical Specifications:

- Operating temperature range: -40°C to +105°C
- DC leakage current: $I = 0.01CV$ or $3\mu A$ max.
- Capacitance tolerance: $\pm 20\%$

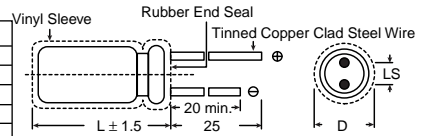
Application Note:

A higher voltage capacitor may be used in a lower voltage application.

5mm to 13mm Diameter available packaged in Tape and Box.
To order Tape and Box, add -TB to Mouser Stock No.

LEAD SPACE CHART (mm)

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0



DIMENSIONS (mm)

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty.	Price per Piece
10 Volt (13V Surge)							
140-HTRL10V100	100	5 x 11	.06	.043	.035	2000	.029
140-HTRL10V680	680	10 x 16	.15	.12	.11	500	.11
16 Volt (20V Surge)							
140-HTRL16V22	22	5 x 11	.06	.039	.029	2000	.023
140-HTRL16V47	47	5 x 11	.06	.041	.032	2000	.027
140-HTRL16V100	100	6.3 x 11	.07	.052	.046	2000	.037
140-HTRL16V220	220	8 x 11	.09	.075	.065	2000	.053
140-HTRL16V330	330	8 x 13	.10	.080	.070	1000	.064
140-HTRL16V470	470	10 x 13	.14	.11	.10	500	.10
140-HTRL16V680	680	10 x 20	.20	.16	.14	500	.14
140-HTRL16V1000	1000	10 x 20	.21	.17	.15	500	.15
140-HTRL16V2200	2200	13 x 26	.44	.34	.29	300	.29
140-HTRL16V4700	4700	16 x 36	.85	.67	.59	---	---
25 Volt (32V Surge)							
140-HTRL25V10	10	5 x 11	.06	.039	.029	2000	.023
140-HTRL25V22	22	5 x 11	.06	.039	.029	2000	.023
140-HTRL25V33	33	5 x 11	.06	.041	.032	2000	.027
140-HTRL25V47	47	6.3 x 11	.07	.050	.040	2000	.031
140-HTRL25V100	100	6.3 x 11	.07	.051	.042	2000	.035
140-HTRL25V220	220	8 x 13	.11	.080	.066	1000	.061
140-HTRL25V330	330	10 x 13	.15	.12	.10	500	.10
140-HTRL25V470	470	10 x 20	.18	.14	.12	500	.12
140-HTRL25V1000	1000	13 x 21	.33	.26	.23	300	.23
140-HTRL25V2200	2200	16 x 27	.62	.49	.43	---	---
35 Volt (44V Surge)							
140-HTRL35V10	10	5 x 11	.06	.039	.029	2000	.023
140-HTRL35V22	22	5 x 11	.06	.042	.033	2000	.027
140-HTRL35V33	33	6.3 x 11	.07	.048	.037	2000	.03
140-HTRL35V47	47	6.3 x 11	.07	.054	.048	2000	.03
140-HTRL35V100	100	8 x 11	.09	.074	.065	1000	.06
140-HTRL35V220	220	10 x 12	.15	.12	.10	500	.10
140-HTRL35V330	330	10 x 20	.18	.14	.12	500	.12
140-HTRL35V470	470	10 x 16	.25	.19	.16	500	.16
140-HTRL35V1000	1000	13 x 26	.45	.36	.32	300	.32
50 Volt (63V Surge)							
140-HTRL50V1.0	1.0	5 x 11	.06	.039	.029	2000	.023
140-HTRL50V2.2	2.2	5 x 11	.06	.039	.029	2000	.023
140-HTRL50V4.7	4.7	5 x 11	.06	.039	.029	2000	.023
140-HTRL50V10	10	5 x 11	.06	.041	.032	2000	.027
140-HTRL50V22	22	6.3 x 11	.07	.049	.038	2000	.031
140-HTRL50V33	33	6.3 x 11	.07	.053	.045	2000	.038
63 Volt (79V Surge)							
140-HTRL63V2.2	2.2	5 x 11	.06	.039	.029	2000	.023
140-HTRL63V3.3	3.3	5 x 11	.06	.039	.029	2000	.023
140-HTRL63V4.7	4.7	5 x 11	.06	.039	.029	2000	.023
140-HTRL63V100	100	10 x 12	.15	.12	.10	500	.10
140-HTRL63V1000	1000	16 x 37	1.39	1.11	.97	---	---
100 Volt (125V Surge)							
140-HTRL100V.47	.47	5 x 11	.07	.049	.039	2000	.03
140-HTRL100V1.0	1.0	5 x 11	.07	.049	.039	2000	.03
140-HTRL100V4.7	4.7	6.3 x 11	.07	.051	.042	2000	.032
140-HTRL100V10	10	8 x 11	.09	.068	.058	1000	.051
140-HTRL100V22	22	8 x 11	.10	.077	.063	1000	.058
140-HTRL100V47	47	10 x 16	.18	.14	.12	500	.12
140-HTRL100V100	100	13 x 21	.35	.27	.24	300	.24
140-HTRL100V470	470	18 x 37	1.12	.87	.74	---	---
140-HTRL100V680	680	18 x 37	1.74	1.38	1.21	---	---
160 Volt (200V Surge)							
140-HTRL160V1.0	1.0	5 x 11	.08	.059	.048	2000	.04
140-HTRL160V2.2	2.2	6.3 x 11	.10	.071	.057	2000	.045
140-HTRL160V4.7	4.7	6.3 x 11	.11	.082	.067	2000	.061
140-HTRL160V10	10	10 x 12.5	.15	.12	.099	500	.099
140-HTRL160V22	22	10 x 20	.28	.22	.19	300	.19
140-HTRL160V47	47	13 x 21	.48	.38	.33	300	.33
140-HTRL160V100	100	16 x 21	.64	.51	.45	---	---
250 Volt (300V Surge)							
140-HTRL250V1.0	1.0	6.3 x 11	.08	.060	.050	2000	.047
140-HTRL250V2.2	2.2	6.3 x 11	.12	.086	.070	2000	.063
140-HTRL250V4.7	4.7	10 x 13	.14	.12	.10	500	.10
140-HTRL250V10	10	10 x 16	.20	.16	.14	500	.14
140-HTRL250V22	22	13 x 21	.44	.34	.29	300	.29
140-HTRL250V47	47	13 x 25	.69	.54	.46	300	.46
140-HTRL250V100	100	16 x 36	1.35	1.02	.86	---	---

Xicon Aluminum Capacitors

105°C HIGH TEMP. AXIAL ALUMINUM ELECTROLYTICS

Specifications:

- Operating temperature range: 10V to 250V: -40°C to +105°C
350V to 450V: -25°C to +105°C
- Dissipation factor: $(\tan \delta, @ 20 \text{ C}, 120 \text{ Hz})$ (tangent of the loss angle): see chart
- Tolerance: $\pm 20\%$

Application Note:

A higher voltage capacitor may be used in a lower voltage application.



10 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each					2000+
			1	10	100	500	1000	
140-TG221M1A-0613	220	6x13	.75	.64	.49	.40	.32	Call for Quote
140-TG471M1A-0816	470	8x16	.75	.64	.49	.40	.32	Call for Quote
140-TG102M1A-1017	1000	10x17	.64	.49	.40	.32	Call for Quote	

16 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each					2000+
			1	10	100	500	1000	
140-TG100M1C-0512	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1C-0512	22	5x12	.49	.45	.39	.32	.26	
140-TG470M1C-0613	47	6x13	.49	.45	.39	.32	.26	
140-TG101M1C-0613	100	6x13	.75	.64	.49	.40	.32	
140-TG221M1C-0813	220	8x13	.75	.64	.49	.40	.32	
140-TG471M1C-0816	470	8x16	.75	.64	.49	.40	.32	
140-TG102M1C-1021	1000	10x21	.80	.69	.56	.48	.32	
140-TG222M1C-1327	2200	13x27	1.49	1.31	.99	.78	.63	
140-TG472M1C-1637	4700	16x37	2.39	1.99	1.66	1.51	1.22	

25 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each					2000+
			1	10	100	500	1000	
140-TG100M1E-0512	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1E-0512	22	5x12	.49	.45	.39	.32	.26	
140-TG470M1E-0613	47	6x13	.75	.64	.49	.40	.32	
140-TG101M1E-0813	100	8x13	.75	.64	.49	.40	.32	
140-TG221M1E-0816	220	8x16	.75	.64	.49	.40	.32	
140-TG471M1E-1021	470	10x21	1.05	.99	.85	.65	.53	
140-TG102M1E-1322	1000	13x22	1.05	.99	.85	.65	.53	
140-TG222M1E-1628	2200	16x28	1.65	1.51	1.30	.99	.80	
140-TG472M1E-1840	4700	18x40	2.87	2.40	2.18	1.99	1.60	

50 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each					
			1	10	100	500	1000	2000+
140-TG100M1H-0512	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1H-0614	22	6x14	.49	.45	.39	.32	.26	
140-TG470M1H-0816	47	8x16	.75	.64	.49	.40	.32	
140-TG101M1H-1017	100	10x17	.75	.64	.49	.40	.32	
140-TG221M1H-1021	220	10x21	1.05	.99	.85	.65	.53	
140-TG331M1H-1322	330	13x22	1.05	.99	.85	.65	.53	
140-TG471M1H-1322	470	13x22	1.05	.99	.85	.65	.53	
140-TG102M1H-1633	1000	16x33	1.65	1.51	1.30	.99	.80	
140-TG222M1H-1840	2200	18x40	2.94	2.44	2.23	2.04	1.60	

100 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each						2000+
			1	10	100	500	1000	2000+	
140-TG0R1M2A-0512	.1	5x12	.49	.45	.39	.32	.26	CALL FOR QUOTE	
140-TGR22M2A-0512	.22	5x12	.49	.45	.39	.32	.26		
140-TGR33M2A-0512	.33	5x12	.49	.45	.39	.32	.26		
140-TGR47M2A-0512	.47	5x12	.49	.45	.39	.32	.26		
140-TG010M2A-0512	1	5x12	.49	.45	.39	.32	.26		
140-TG2R2M2A-0512	2.2	5x12	.49	.45	.39	.32	.26		
140-TG3R3M2A-0512	3.3	5x12	.49	.45	.39	.32	.26		
140-TG4R7M2A-0613	4.7	6x13	.49	.45	.39	.32	.26		
140-TG100M2A-0614	10	6x14	.75	.64	.49	.40	.32		
140-TG220M2A-0816	22	8x16	.75	.64	.49	.40	.32		
140-TG330M2A-1017	33	10x17	.75	.64	.49	.			



Xicon 85°C Aluminum Electrolytic Capacitors



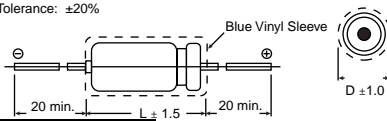
85°C AXIAL ALUMINUM ELECTROLYTICS

Safety Vent
(Dia.>10)

Specifications:

- Operating temperature range: 10V to 250V: -40°C to +85°C, 350V to 450V: -25°C to +85°C

- Tolerance: ±20%



Application Note:

A higher voltage capacitor may be used in a lower voltage application.

To order Tape and Reel, add -TR to Mouser Stock No.

For quantities 1000 and up, call for quote.

DIMENSIONS (mm)

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Reel	
			1	100	500	Qty.	Price per Piece
10 Volt							
140-XAL10V2.2	2.2	5 x 12	.25	.15	.11	1200	.081
140-XAL10V100	100	6 x 13	.28	.20	.15	1000	.13
140-XAL10V330	330	8 x 16	.28	.20	.15	750	.15
140-XAL10V470	470	8 x 16	.36	.25	.19	750	.20
140-XAL10V680	680	10 x 17	.55	.40	.32	300	.32
140-XAL10V1000	1000	10 x 17	.55	.40	.32	300	.40
140-XAL10V2200	2200	13 x 22	.90	.59	.48	---	---
140-XAL10V3300	3300	13 x 27	1.23	.86	.68	---	---
140-XAL10V4700	4700	16 x 28	1.25	.88	.68	---	---
140-XAL10V6800	6800	16 x 28	2.27	1.72	1.56	---	---
140-XAL10V10000	10000	18 x 36	2.99	2.27	2.06	---	---
16 Volt							
140-XAL16V2.2	2.2	6 x 13	.25	.15	.11	1200	.081
140-XAL16V3.3	3.3	5 x 12	.25	.15	.11	1200	.081
140-XAL16V10	10	5 x 12	.25	.15	.11	1200	.081
140-XAL16V22	22	5 x 12	.25	.15	.11	1200	.082
140-XAL16V33	33	6 x 13	.25	.15	.11	1200	.082
140-XAL16V47	47	6.3 x 12	.25	.15	.11	1000	.098
140-XAL16V100	100	6.3 x 16	.29	.21	.16	1000	.14
140-XAL16V220	220	8 x 16	.29	.21	.16	750	.16
140-XAL16V330	330	8 x 16	.29	.21	.16	750	.16
140-XAL16V470	470	8 x 20	.37	.26	.20	750	.20
140-XAL16V1000	1000	10 x 21	.73	.51	.44	300	.51
140-XAL16V2200	2200	13 x 24	.98	.67	.53	---	---
140-XAL16V3300	3300	16 x 28	1.25	.88	.70	---	---
140-XAL16V4700	4700	16 x 36	2.17	1.51	1.37	---	---
140-XAL16V6800	6800	18 x 38	2.75	1.84	1.68	---	---
140-XAL16V10000	10000	22 x 43	3.73	2.50	2.35	---	---
25 Volt							
140-XAL25V10	10	5 x 12	.25	.15	.11	1200	.081
140-XAL25V22	22	5 x 12	.25	.15	.11	1200	.082
140-XAL25V33	33	6.3 x 12	.25	.15	.11	1000	.099
140-XAL25V47	47	6.3 x 12	.28	.20	.15	1000	.13
140-XAL25V100	100	8 x 16	.30	.22	.17	750	.17
140-XAL25V220	220	8 x 16	.30	.22	.17	750	.17
140-XAL25V330	330	10 x 17	.37	.26	.20	300	.26
140-XAL25V470	470	10 x 17	.47	.35	.29	300	.35
140-XAL25V1000	1000	13 x 22	.73	.51	.44	---	---
140-XAL25V2200	2200	16 x 28	1.17	.82	.62	---	---
140-XAL25V3300	3300	16 x 33	1.99	1.51	1.38	---	---
140-XAL25V4700	4700	18 x 36	2.61	1.98	1.81	---	---
140-XAL25V6800	6800	22 x 43	4.99	3.81	3.47	---	---
140-XAL25V10000	10000	25 x 52	6.47	4.92	4.47	---	---
35 Volt							
140-XAL35V10	10	5 x 12	.25	.15	.11	1200	.082
140-XAL35V33	33	6.3 x 16	.25	.15	.11	1000	.11
140-XAL35V47	47	6.3 x 16	.25	.15	.11	1000	.11
140-XAL35V100	100	8 x 16	.29	.21	.16	750	.16
140-XAL35V220	220	10 x 21	.37	.26	.20	300	.26
140-XAL35V330	330	10 x 21	.47	.35	.29	300	.35
140-XAL35V470	470	10 x 21	.54	.39	.30	300	.39
140-XAL35V1000	1000	13 x 27	.93	.62	.51	---	---
140-XAL35V2200	2200	16 x 33	1.98	1.50	1.36	---	---
140-XAL35V3300	3300	18 x 37	3.59	2.41	2.19	---	---
140-XAL35V4700	4700	22 x 43	5.13	3.54	3.22	---	---
50 Volt							
140-XAL50V.47	47	5 x 12	.25	.15	.11	1200	.081
140-XAL50V1.0	1.0	5 x 12	.25	.15	.11	1200	.081
140-XAL50V2.2	2.2	5 x 12	.25	.15	.11	1200	.081
140-XAL50V3.3	3.3	5 x 12	.25	.15	.11	1200	.081
140-XAL50V4.7	4.7	5 x 12	.25	.15	.11	1200	.081

To order Tape and Reel, add -TR to Mouser Stock No.

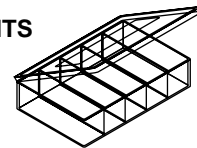
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Reel	
			1	100	500	Qty.	Price per Piece
140-XAL50V6.8	6.8	5 x 12	.25	.15	.11	1200	.098
140-XAL50V10	10	6.3 x 12	.25	.15	.11	1000	.098
140-XAL50V22	22	6 x 13	.25	.15	.11	1000	.10
140-XAL50V33	33	6.3 x 16	.25	.15	.11	1000	.11
140-XAL50V47	47	8 x 16	.25	.15	.11	750	.11
140-XAL50V68	68	8 x 15	.28	.20	.15	750	.15
140-XAL50V100	100	10 x 17	.30	.22	.17	300	.22
140-XAL50V220	220	10 x 21	.47	.35	.29	300	.35
140-XAL50V330	330	13 x 22	.54	.42	.36	---	---
140-XAL50V470	470	13 x 24	.75	.53	.47	---	---
140-XAL50V680	680	16 x 28	.91	.60	.49	---	---
140-XAL50V1000	1000	16 x 33	1.19	.85	.67	---	---
140-XAL50V2200	2200	18 x 42	2.67	2.03	1.85	---	---
140-XAL50V3300	3300	22 x 43	4.51	3.43	3.12	---	---
140-XAL50V4700	4700	25 x 52	5.99	4.58	4.16	---	---
63 Volt							
140-XAL63V2.2	2.2	6 x 13	.25	.15	.11	1200	.081
140-XAL63V6.8	6.8	5 x 12	.25	.15	.11	---	---
140-XAL63V100	100	10 x 21	.40	.27	.23	300	.27
140-XAL63V220	220	13 x 22	.59	.43	.36	---	---
140-XAL63V470	470	13 x 27	.82	.58	.47	---	---
100 Volt							
140-XAL100V1.0	1.0	5 x 12	.25	.15	.11	1200	.082
140-XAL100V2.2	2.2	5 x 12	.25	.15	.11	1200	.082
140-XAL100V3.3	3.3	6.3 x 12	.25	.15	.11	1200	.085
140-XAL100V4.7	4.7	6.3 x 12	.25	.15	.11	1000	.099
140-XAL100V10	10	8 x 16	.25	.15	.11	750	.11
140-XAL100V22	22	8 x 16	.30	.22	.17	750	.17
140-XAL100V33	33	10 x 17	.37	.26	.20	300	.26
140-XAL100V47	47	10 x 21	.37	.26	.20	300	.26
140-XAL100V100	100	13 x 22	.91	.60	.49	---	---
140-XAL100V220	220	16 x 28	1.86	1.25	1.14	---	---
140-XAL100V470	470	16 x 37	2.36	1.77	1.63	---	---
160 Volt							
140-XAL160V1.0	1.0	6.3 x 12	.36	.27	.25	1000	.21
140-XAL160V2.2	2.2	6.3 x 12	.40	.30	.27	1000	.22
140-XAL160V3.3	3.3	8 x 16	.45	.34	.31	750	.25
140-XAL160V10	10	10 x 21	.55	.40	.30	300	.40
140-XAL160V22	22	13 x 22	.86	.65	.59	---	---
140-XAL160V47	47	13 x 27	1.12	.86	.78	---	---
140-XAL160V100	100	16 x 33	1.93	1.46	1.33	---	---
140-XAL160V220	220	18 x 42	2.85	2.16	1.96	---	---
250 Volt							
140-XAL250V1.0	1.0	6.3 x 16	.51	.31	.28	750	.28
140-XAL250V2.2	2.2	8 x 16	.60	.36	.33	750	.33
140-XAL250V3.3	3.3	10 x 16	.66	.40	.37	750	.37
140-XAL250V4.7	4.7	10 x 17	.73	.44	.39	300	.39
140-XAL250V10	10	10 x 21	.79	.55	.50	300	.55
140-XAL250V22	22	13 x 22	1.19	.92	.83	---	---
140-XAL250V33	33	16 x 28	1.36	1.03	.94	---	---
140-XAL250V47	47	16 x 33	1.74	1.32	1.20	---	---
140-XAL250V100	100	18 x 43	3.14	2.38	2.16	---	---
350 Volt							
140-XAL350V3.3	3.3	8 x 20	.73	.51	.47	750	.51
140-XAL350V4.7	4.7	10 x 21	.84	.59	.54	300	.59
140-XAL350V22	22	13 x 32	1.40	1.06	.97	---	---
140-XAL350V33	33	16 x 33	2.06	1.56	1.41	---	---
140-XAL350V47	47	16 x 42	2.65	2.01	1.83	---	---
140-XAL350V100	100	22 x 43	4.61	3.49	3.18	---	---
450 Volt							
140-XAL450V1.0	1.0	8 x 16	.69	.42	.38	750	.38
140-XAL450V2.2	2.2	10 x 21	.75	.50	.45	300	.50
140-XAL450V3.3	3.3	10 x 21	.83	.58	.53	300	.58
140-XAL450V4.7	4.7	13 x 22	.96	.67	.61	---	---
140-XAL450V10	10	13 x 24	1.29	.99	.90	---	---
140-XAL450V22	22	16 x 32	2.10	1.59	1.44	---	---
140-XAL450V33	33	18 x 40	2.94	2.23	2.03	---	---
140-XAL450V47	47	18 x 36	3.46	2.62	2.38	---	---
140-XAL450V100	100	25 x 52	6.27	4.75	4.32	---	---

Aluminum Capacitors Xicon

85°C AXIAL & RADIAL MINIATURE ALUMINUM ELECTROLYTIC CAPACITOR KITS

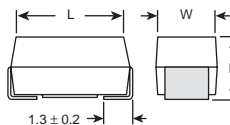
- ±20%
- 25VDC - 50VDC
- 40°C to +85°C
- Fully assembled and keyed for easy use
- Design Kits for engineers
- Reorder individual parts as needed by using Part Number Key in box lid



MOUSER STOCK NO.	Description	Range of Values	Pieces in Each Kit	Contains (µF)	Price Each
370-140XAL-1	Axial lead	.47µF-1000µF	80	10 each: .47, 1.0 (50V), 5 each: 2.2, 3.3, 4.7, 10, 22, 220, (50VDC), 33, 470, (35VDC), 47, 100, 330, 1000, (25VDC)	29.95
370-140XAL-2	Axial lead	220µF-4700µF	25	5 each: 220 (50V), 330 (25VDC), 3 each: 470 (35VDC), 1000 (25VDC), 1000 (50VDC), 2 each: 2200, 3300, 4700 (35VDC)	29.95
370-140XRL-1	Radial lead	1µF-1000µF	80	10 each: 1, 2.2, 4.7, 22 (50V), 10 each: 10, 47 (35V) 5 each: 100, 470, 1000 (25V), 220 (35V)	29.95

A700 SERIES AO-CAP ALUMINUM ORGANIC CAPACITORS

KEMET enters the world of aluminum capacitors with the introduction of the AO-CAP, designated the A700 Series, which has been targeted for power management applications. With aluminum as the anode material, aluminum oxide as the dielectric, and a conductive polymer to replace the wet electrolytic historically used in aluminum capacitors, KEMET has advanced beyond existing aluminum organic capacitors. The KEMET A700 Series AO-CAP is also an ideal alternative to high-capacitance ceramics. Its outstanding high frequency performance helps reduce component counts, cost-effectively saving board space.



Case Size		Reel Qty.	Dimensions (mm)		
KEMET	EIA		L ±0.3	W ±0.3	H
V	7343-20	1000	7.3	4.3	1.9 ±0.1
D	7343-31	500	7.3	4.3	2.8 ±0.3
X	7343-43	500	7.3	4.3	4.0 ±0.3

Features:

- Extremely low ESR
- High capacitance retention for superior performance at high operating frequencies
- True Surface-mount capability
- Benign failure mode
- No "dry-out" or "wear-out" related failure mechanism
- No voltage derating up to +125° C
- Overall lower placement costs
- Drop in replacement for Panasonic SP-Cap



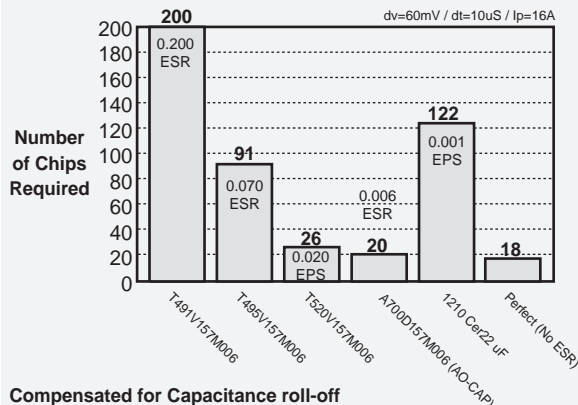
The KEMET AO-CAP is totally free of lead with excellent surge current performance and long-term reliability. There is no recommended de-rating of application voltage to reduce failure rate. The operating temperature is -55°C to +125°C.

The KEMET AO-CAP is offered in the same EIA industry standard case sizes and packaging formats as KEMET's tantalum surface-mount capacitor lines.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Price Each					
				1	10	100	500	1000	2000
2 Volt									
80-A700V157M002	A700V157M002AT	150	V	1.73	1.49	1.39	1.24	.99	Call
80-A700D227M002	A700D227M002AT	220	D	2.61	2.24	2.18	1.86	1.74	
4 Volt									
80-A700V826M004	A700V826M004AT	82	V	1.73	1.49	1.39	1.24	.99	Call for Quote
80-A700D127M004	A700D127M004AT	120	D	2.61	2.24	2.18	1.86	1.74	
80-A700D157M004	A700D157M004AT	150	D	2.61	2.24	2.18	1.86	1.74	
80-A700X227M004	A700X227M004AT	220	X	3.42	3.00	2.75	2.50	2.36	
6.3 Volt									
80-A700V476M006	A700V476M006AT	47	V	1.73	1.49	1.39	1.24	.99	Call for Quote
80-A700V686M006	A700V686M006AT	68	V	1.73	1.49	1.39	1.24	.99	Call for Quote
80-A700D107M006	A700D107M006AT	100	D	2.61	2.24	2.18	1.86	1.74	
80-A700X157M006	A700X157M006AT	150	X	3.42	3.00	2.75	2.50	2.36	

Even with the significant performance improvements demonstrated here, cost is almost always a determining factor affecting component choice. The following figure breaks down the number of capacitors required using a dv of 60 milliohms, a dt of 10 uS and a current demand of 16 amperes based on the ESRs of each device and the capacitance available at the required dt (dependent on capacitance roll-off) for a number of tantalum surface-mount capacitors, the KEMET AO-CAP, and some MLC structure.

Comparison of Tantalum, Ceramic, and Organic Capacitors



Tantalum Capacitors

Kemet

KEMET T520 SERIES KO-CAP POLYMER TANTALUM CHIP CAPACITORS

KEMET has developed a new type of tantalum capacitor that replaces the solid manganese dioxide electrode with a solid conductive polymer. This product is named the KO-CAP for KEMET Organic Capacitor. The basic family is the T520 series. A separate detail of performance characteristics is presented here as there are some differences between the polymer tantalums and the standard MnO2 types. Like all KEMET tantalum chips, the T520 series is 100% screened for all electrical parameters: Capacitance @ 120 Hz, Dissipation Factor (DF) @ 120 Hz, ESR @ 100KHz and DC Leakage. It is also 100% surge current tested at full rated voltage through a low impedance circuit. The advantages of the polymer include very low ESR and elimination of the potentially catastrophic failure mode that may occur with standard tantalum capacitors in a high surge current application. Although the natural T520 series failure mechanism is a short circuit, it does not exhibit an explosive failure mode.

Electrical Specifications:

- Operating Temperature Range: -55°C to +105°C
- Reverse Voltage Rating & Polarity: Polymer tantalum capacitors are polar devices and may be permanently damaged or destroyed if connected in the wrong polarity. The positive terminal is identified by a laser-marked stripe and may also include a beveled edge. These capacitors will withstand a small degree of transient voltage reversal for short periods. Please note that these parts may not be operated continuously in reverse.

Features:

- Polymer Cathode Technology
- Low ESR
- High Frequency Cap Retention
- No-Ignition Failure Mode
- Capacitance 68 to 470µF (±20%)
- Voltage 4V to 10V
- EIA Standard Case Sizes
- 100% Surge Current Tested
- 20% tolerance

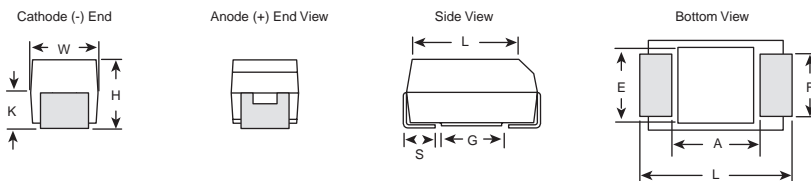
Applications:

- Handling: Automatic handling of encapsulated components is enhanced by the molded case which provides capability with all type of high speed pick and place equipment. Manual handling of these devices presents no unique problems. Care should be taken with your fingers, however, to avoid touching the solder-coated terminations as body oils, acids and salts will degrade the solderability of these terminations. Finger cots should be used whenever manually handling all solderable surfaces.
- Termination Coating: The standard finish coating is 90/10 Sn/Pb solder (Tin/Lead-solder coated).

Component Performance Characteristics:

- KO-CAPs exhibit a benign failure mode in that they do not fail catastrophically even under typical fault conditions. If a shorted capacitor is allowed to pass unlimited current, it may overheat and the case may discolor. But this is distinctly different from the explosive "ignition" that may occur with standard MnO2 cathode tantalums. Replacement of the MnO2 by the polymer removes the oxygen that fuels ignition during a failure event.

Case Size	Reel Qty.	Dimensions (mm)			K ±0.2	F ±0.1	S ±0.3	A (Min)	G (Ref)	E (Ref)	
		L	W	H							
B	3528-21	2000	3.5	2.8	1.9 ±0.2	1.1	2.2	0.8	1.1	1.8	2.2
V	7343-20	1000	7.3	4.3	1.9 ±0.1	1.1	2.4	1.3	3.8	3.5	3.5
D	7343-31	500	7.3	4.3	2.8 ±0.3	1.5	2.4	1.3	3.8	3.5	3.5
X	7343-43	500	7.3	4.3	4.0 ±0.3	2.3	2.4	1.3	3.8	3.5	3.5



MOUSER STOCK NO.	KEMET Part Number	Volt	Value (µF)	Case Code	Price Each					
					1	10	100	500	1000	2000
80-T520B686M004	T520B686M004AS	4	68	B	1.05	0.94	0.83	0.77	0.55	Call
80-T520V227M004	T520V227M004AS	4	220	V	3.56	3.19	2.81	2.63	1.88	
80-T520D477M004	T520D477M004AS	4	470	D	4.28	3.83	3.38	3.15	2.25	
80-T520V157M006	T520V157M006AS	6	150	V	3.56	3.19	2.81	2.63	1.88	Call for Quote
80-T520D157M006	T520D157M006AS	6	150	D	3.09	2.76	2.44	2.28	1.63	
80-T520D227M006	T520D227M006AS	6	220	D	3.33	2.98	2.63	2.45	1.75	
80-T520D337M006	T520D337M006AS	6	330	D	4.04	3.61	3.19	2.98	2.13	
80-T520X477M006	T520X477M006AS	6	470	X	11.64	10.41	9.19	8.58	6.13	
80-T520V686M010	T520V686M010AS	10	68	V	3.56	3.19	2.81	2.63	1.88	Call for Quote
80-T520D107M010	T520D107M010AS	10	100	D	3.33	2.98	2.63	2.45	1.75	
80-T520D157M010	T520D157M010AS	10	150	D	3.56	3.19	2.81	2.63	1.88	
80-T520X337M010	T520X337M010AS	10	330	X	11.64	10.41	9.19	8.58	6.13	

T491 SERIES SOLID TANTALUM CHIP CAPACITORS

KEMET's family of solid tantalum chip capacitors is designed and manufactured with the demanding requirements of surface mount technology in mind. These devices extend the advantages of solid tantalum technology to today's surface mount circuit applications. Complementing multilayer ceramic chip convenience with capacitance ratings through 1000 µF, tantalum chip capacitors permit circuit designers to take full advantage of the benefits of surface mount technology.

T491 series are industrial grade solid chip capacitors. The standard solder-coated terminations provide excellent wetting characteristics and compatibility with today's surface mount solder systems. The symmetrical terminations offer total compliance to provide the thermal and mechanical stress relief required in today's technology. Lead frame attachments to the tantalum pellet are made via a microprocessor-controlled welding operation, and a high temperature silver epoxy adhesive system. Standard packaging of these devices is tape and reel in accordance with EIA 481-1. This system provides perfect compatibility with all tape-fed placement units.

Specifications:

- General Application Class:**
Solid tantalum capacitors are usually applied in circuits where the AC component is small compared to the DC component. Typical uses known to KEMET Electronics include blocking, by-passing, decoupling, and filtering. They are also used in timing circuits. If two of these polar capacitors are connected "back-to-back" (i.e., negative-to-negative or positive-to-positive), the pair may be used in AC application (as a non-polar device).
- Operating Temperature Range:** -55°C to +125°C
- Non-Operating Temperature Range:** -55°C to +125°C
Tantalum capacitors do not lose capacitance from the "de-forming" effect as do liquid-electrolytic capacitors. Storage at high temperature may cause a small, temporary increase in leakage current (measured under standard conditions), but the original value is usually restored within a few minutes after application of rated voltage.
- Capacitance:** 0.1µF to 1000µF
Capacitance is measured at 120Hz, up to 1.0 volt rms maximum and up to 2.5 volts DC maximum, at +25°C. DC bias causes only a small reduction in capacitance up to about 2% when full rated voltage is applied.

Features:

- Meets or Exceeds EIA Standard 535BAAC
- Taped and Reeled per EIA 481-1
- Symmetrical, Compliant Terminations
- Optional Gold-plated Terminations
- Laser-marked case
- 100% Surge current test on C, D, X sizes
- Tolerance: ±10%, ±20%
- Extended Range Values
- New Low Profile Case Sizes



Dimensions mm and (In.)				
	Side View	Anode (+) End View	Cathode (-) End View	Bottom View
	L	W	W	L
	H	H	H	H
Standard				
Case Code	EIA Code	L	W	H
A	3216-18	3.2 (.126)	1.6 (.063)	1.6 (.063)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)
Low Profile				
S	3216-12	3.2 (.126)	1.6 (.063)	1.2 (.047)
T	3528-12	3.5 (.138)	2.8 (.110)	1.2 (.047)
U	6032-15	6.0 (.236)	3.2 (.126)	1.5 (.059)
V	7343-20	7.3 (.287)	4.3 (.169)	2.0 (.079)

Notes: 1. Metric dimensions govern.
2. Mil-C-55365/8 Specified Dimensions

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

For case sizes, tolerances, voltages, values and optional features not in the Mouser catalog, please contact a Mouser Sales Representative.

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
6 Volt								
80-T491S475K006	T491S475K006AS	4.7	S	10%	1.20	.91	2500	.43
80-T491A106K006	T491A106K006AS	10	A	10%	.23	.17	2000	.08
80-T491B106K006	T491B106K006AS	10	B	10%	.29	.22	2000	.10
80-T491B226K006	T491B226K006AS	22	B	10%	.34	.25	2000	.12
80-T491C226K006	T491C226K006AS	22	C	10%	.53	.40	500	.19
80-T491D686K006	T491D686K006AS	33	B	10%	.54	.41	2000	.19
80-T491C336K006	T491C336K006AS	33	C	10%	.53	.40	500	.19
80-T491C476K006	T491C476K006AS	47	C	10%	.59	.44	500	.21
80-T491U476M006	T491U476M006AS	47	U	20%	2.30	1.75	1000	.83
80-T491D686K006	T491D686K006AS	68	D	10%	.83	.63	500	.30
80-T491C686K006	T491C686K006AS	68	C	10%	.75	.57	500	.27
80-T491C107K006	T491C107K006AS	100	C	10%	.90	.68	500	.32
80-T491D107K006	T491D107K006AS	100	D	10%	.74	.56	500	.26
80-T491D107M006	T491D107M006AS	100	D	20%	.74	.56	500	.26
80-T491V107K006	T491V107K006AS	100	V	10%	2.75	2.09	1000	.99
80-T491D157K006	T491D157K006AS	150	D	10%	.98	.74	500	.35
80-T491D227K006	T491D227K006AS	220	D	10%	1.13	.86	500	.41
80-T491X227K006	T491X227K006AS	220	X	10%	3.65	2.77	500	1.31
80-T491B475K006	T491B475K006AS	220	X	20%	3.65	2.77	500	1.31
80-T491X337K006	T491X337K006AS	330	X	10%	4.15	3.15	500	1.49
80-T491X337M006	T491X337M006AS	330	X	20%	4.15	3.15	500	1.49
80-T491X477K006	T491X477K006AS	470	X	10%	4.58	3.48	500	1.65
10 Volt								
80-T491A155K010	T491A155K010AS	1.5	A	10%	.25	.19	2000	.09
80-T491A225K010	T491A225K010AS	2.2	A	10%	.21	.16	2000	.07
80-T491A335K010	T491A335K010AS	3.3	A	10%	.25	.19	2000	.09
80-T491A475K010	T491A475K010AS	4.7	A	10%	.21	.16	2000	.07
80-T491B475K010	T491B475K010AS	4.7	B	10%	.29	.22	2000	.10
80-T491B475M010	T491B475M010AS	4.7	B	20%	.29	.22	2000	.10
80-T491A685K010	T491A685K010AS	6.8	A	10%	.28	.21	2000	.10
80-T491A685M010	T491A685M010AS	6.8	A	20%	.28	.21	2000	.10
80-T491B685K010	T491B685K010AS	6.8	B	10%	.33	.25	2000	.12
80-T491B685M010	T491B685M010AS	6.8	B	20%	.33	.25	2000	.12
80-T491A106K010	T491A106K010AS	10	A	10%	.24	.18	2000	.09
80-T491B106K010	T491B106K010AS	10	B	10%	.29	.22	2000	.10
80-T491B106M010	T491B106M010AS	10	B	20%	.29	.22	2000	.10
80-T491C106K010	T491C106K010AS	10	C	10%	.53	.40	500	.19
80-T491T106K010	T491T106K010AS	10	T	10%	1.45	1.10	2500	.52
80-T491B156K010	T491B156K010AS	15	B	10%	.34	.25	2000	.12
80-T491C156K010	T491C156K010AS	15	C	10%	.53	.40	500	.19
80-T491C156M010	T491C156M010AS	15	C	20%	.53	.40	500	.19
80-T491B226K010	T491B226K010AS	22	B	10%	.53	.40	2000	.19
80-T491B226M010	T491B226M010AS	22	B	20%	.53	.40	2000	.19
80-T491C226K010	T491C226K010AS	22	C	10%	.49	.37	500	.17
80-T491C226M010	T491C226M010AS	22	C	20%	.49	.37	500	.17

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
10 Volt (Cont.)								
80-T491C336K010	T491C336K010AS	33	C	10%	.63	.48	500	.23
80-T491C336M010	T491C336M010AS	33	C	20%	.63	.48	500	.23
80-T491U336K010	T491U336K010AS	33	U	10%	2.50	1.90	1000	.90
80-T491C476K010	T491C476K010AS	47	C	10%	.70	.53	500	.25
80-T491C476M010	T491C476M010AS	47	C	20%	.70	.53	500	.25
80-T491D476K010	T491D476K010AS	47	D	10%	.74	.56	500	.26
80-T491D476M010	T491D476M010AS	47	D	20%	.74	.56	500	.26
80-T491D686K010	T491D686K010AS	68	D	10%	.83	.63	500	.30
80-T491C686K010	T491C686K010AS	68	C	10%	.90	.68	500	.32
80-T491D686M010	T491D686M010AS	68	D	20%	.83	.63	500	.30
80-T491D107K010	T491D107K010AS	100	D	10%	.92	.70	500	.33
80-T491D107M010	T491D107M010AS	100	D	20%	.92	.70	500	.33
80-T491D157K010	T491D157K010AS	150	D	10%	1.13	.86	500	.41
80-T491D227K010	T491D227K010AS	220	D	10%	1.48	1.12	500	.53
80-T491X227K010	T491X227K010AS	220	X	10%	4.15	3.15	500	1.49
80-T491X337K010	T491X337K010AS	330	X	10%	4.58	3.48	500	1.65
80-T491X337M010	T491X337M010AS	330	X	20%	4.58	3.48	500	1.65
16 Volt								
80-T491A105K016	T491A105K016AS	1.0	A	10%	.21	.16	2000	.07
80-T491A155K016	T491A155K016AS	1.5	A	10%	.25	.19	2000	.09
80-T491A225K016	T491A225K016AS	2.2	A	10%	.21	.16	2000	.07
80-T491S225K016	T491S225K016AS	2.2	S	10%	1.20	.91	2500	.43
80-T491A335K016	T491A335K016AS	3.3	A	10%	.21	.16	2000	.07
80-T491B335K016	T491B335K016AS	3.3	B	10%	.33	.25	2000	.12
80-T491B335M016	T491B335M016AS	3.3	B	20%	.33	.25	2000	.12
80-T491A475K016	T491A475K016AS	4.7	A	10%	.23	.17	2000	.08
80-T491B475K016	T491B475K016AS	4.7	B	10%	.29	.22	2000	.10
80-T491B475M016	T491B475M016AS	4.7	B	20%	.29	.22	2000	.10
80-T491T475K016	T491T475K016AS	4.7	T	10%	1.30	.99	2500	.47
80-T491B685K016	T491B685K016AS	6.8	B	10%	.29	.22	2000	.10
80-T491B106K016	T491B106K016AS	10	B	10%	.34	.25	2000	.12
80-T491B106M016	T491B106M016AS	10	B	20%	.34	.25	2000	.12
80-T491C106K016	T491C106K016AS	10	C	10%	.49	.37	500	.17
80-T491C106M016	T491C106M016AS	10	C	20%	.49	.37	500	.17
80-T491U106K016	T491U106K016AS	10	U	10%	2.45	1.86	1000	.88
80-T491U106M016	T491U106M016AS	10	U	20%	2.10	1.60	1000	.76
80-T491B156K016	T491B156K016AS	15	B	10%	.54	.41	2000	.19
80-T491C156K016	T491C156K016AS	15	C	10%	.49	.37	500	.17
80-T491C226K016	T491C226K016AS	22	C	10%	.59	.44	500	.21
80-T491C226M016	T491C226M016AS	22	C	20%	.59	.44	500	.21
80-T491D226K016	T491D226K016AS	22	D	10%	.83	.63	500	.30
80-T491D226M016	T491D226M016AS	22	D	20%	.83	.63	500	.30
80-T491U226K016	T491U226K016AS	22	U	10%	2.50	1.90	1000	.90
80-T491C336K016	T491C336K016AS	33	C	10%	.70	.53	500	.25
80-T491D336K016	T491D336K016AS	33	D	10%	.74	.56	500	.26

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

KEMET TANTALUM CHIP CAPACITORS (CONTINUED)

For quantities greater than listed, call for quote.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
16 Volt (cont.)								
80-T491D336M016	T491D336M016AS	33	D	20%	.74	.56	500	.26
80-T491D476K016	T491D476K016AS	47	D	10%	.74	.56	500	.26
80-T491D476M016	T491D476M016AS	47	D	20%	.74	.56	500	.26
80-T491D686K016	T491D686K016AS	68	D	10%	.98	.74	500	.35
80-T491D107K016	T491D107K016AS	100	D	10%	1.13	.86	500	.41
80-T491X107K016	T491X107K016AS	100	X	10%	3.65	2.77	500	1.31
80-T491X157K016	T491X157K016AS	150	X	10%	4.15	3.15	500	1.49
20 Volt								
80-T491A684K020	T491A684K020AS	0.68	A	10%	.25	.19	2000	.09
80-T491A105K020	T491A105K020AS	1.0	A	10%	.21	.16	2000	.07
80-T491A155K020	T491A155K020AS	1.5	A	10%	.25	.19	2000	.09
80-T491A225K020	T491A225K020AS	2.2	A	10%	.25	.19	2000	.09
80-T491B225K020	T491B225K020AS	2.2	B	10%	.29	.22	2000	.10
80-T491A335K020	T491A335K020AS	3.3	A	10%	.28	.21	2000	.10
80-T491B335K020	T491B335K020AS	3.3	B	10%	.33	.25	2000	.12
80-T491B475K020	T491B475K020AS	4.7	B	10%	.29	.22	2000	.10
80-T491B685K020	T491B685K020AS	6.8	B	10%	.38	.29	2000	.14
80-T491C685K020	T491C685K020AS	6.8	C	10%	.53	.40	500	.19
80-T491B106K020	T491B106K020AS	10	B	10%	.53	.40	2000	.19
80-T491C106K020	T491C106K020AS	10	C	10%	.53	.40	500	.19
80-T491C106M020	T491C106M020AS	10	C	20%	.53	.40	500	.19
80-T491U106K020	T491U106K020AS	10	U	10%	2.45	1.86	1000	.88
80-T491C156K020	T491C156K020AS	15	C	10%	.63	.48	500	.23
80-T491C226K020	T491C226K020AS	22	C	10%	.70	.53	500	.25
80-T491C226M020	T491C226M020AS	22	C	20%	.70	.53	500	.25
80-T491D226K020	T491D226K020AS	22	D	10%	.74	.56	500	.26
80-T491D226M020	T491D226M020AS	22	D	20%	.74	.56	500	.26
80-T491V226K020	T491V226K020AS	22	V	10%	3.05	2.32	1000	1.10
80-T491V226M020	T491V226M020AS	22	V	20%	2.75	2.09	1000	.99
80-T491D336K020	T491D336K020AS	33	D	10%	.74	.56	500	.26
80-T491D476K020	T491D476K020AS	47	D	10%	.98	.74	500	.35
80-T491X686K020	T491X686K020AS	68	X	10%	3.65	2.77	500	1.31
80-T491X107K020	T491X107K020AS	100	X	10%	4.15	3.15	500	1.49
80-T491X107M020	T491X107M020AS	100	X	20%	4.15	3.15	500	1.49
25 Volt								
80-T491A474K025	T491A474K025AS	0.47	A	10%	.21	.16	2000	.07
80-T491A684K025	T491A684K025AS	0.68	A	10%	.25	.19	2000	.09
80-T491A105K025	T491A105K025AS	1.0	A	10%	.23	.17	2000	.08
80-T491A155K025	T491A155K025AS	1.5	A	10%	.30	.22	2000	.11
80-T491B155K025	T491B155K025AS	1.5	B	10%	.33	.25	2000	.12
80-T491B225K025	T491B225K025AS	2.2	B	10%	.38	.29	2000	.14
80-T491B335K025	T491B335K025AS	3.3	B	10%	.54	.41	2000	.19
80-T491C335K025	T491C335K025AS	3.3	C	10%	.53	.40	500	.19
80-T491C475K025	T491C475K025AS	4.7	C	10%	.53	.40	500	.19
80-T491C475M025	T491C475M025AS	4.7	C	20%	.53	.40	500	.19
80-T491C685K025	T491C685K025AS	6.8	C	10%	.53	.40	500	.19
80-T491C685M025	T491C685M025AS	6.8	C	20%	.53	.40	500	.19
80-T491C106K025	T491C106K025AS	10	C	10%	.59	.44	500	.21
80-T491C106M025	T491C106M025AS	10	C	20%	.59	.44	500	.21
80-T491D106K025	T491D106K025AS	10	D	10%	.74	.56	500	.26
80-T491D106M025	T491D106M025AS	10	D	20%	.74	.56	500	.26
80-T491D156K025	T491D156K025AS	15	D	10%	.74	.56	500	.26
80-T491D226K025	T491D226K025AS	22	D	10%	.74	.56	500	.26
80-T491D226M025	T491D226M025AS	22	D	20%	.74	.56	500	.26
80-T491X336K025	T491X336K025AS	33	X	10%	3.65	2.77	500	1.31
35 Volt								
80-T491A104K035	T491A104K035AS	0.1	A	10%	.25	.19	2000	.09
80-T491A154K035	T491A154K035AS	0.15	A	10%	.25	.19	2000	.09
80-T491A224K035	T491A224K035AS	0.22	A	10%	.25	.19	2000	.09
80-T491A334K035	T491A334K035AS	0.33	A	10%	.25	.19	2000	.09
80-T491A474K035	T491A474K035AS	0.47	A	10%	.28	.21	2000	.10
80-T491B474K035	T491B474K035AS	0.47	B	10%	.33	.25	2000	.12
80-T491A684K035	T491A684K035AS	0.68	A	10%	.28	.21	2000	.10
80-T491B684K035	T491B684K035AS	0.68	B	10%	.33	.25	2000	.12
80-T491A105K035	T491A105K035AS	1.0	A	10%	.30	.22	2000	.11
80-T491B105K035	T491B105K035AS	1.0	B	10%	.29	.22	2000	.10
80-T491B105M035	T491B105M035AS	1.0	B	20%	.29	.22	2000	.10
80-T491B155K035	T491B155K035AS	1.5	B	10%	.38	.29	2000	.14
80-T491C155K035	T491C155K035AS	1.5	C	10%	.53	.40	500	.19
80-T491B225K035	T491B225K035AS	2.2	B	10%	.54	.41	2000	.19
80-T491C225K035	T491C225K035AS	2.2	C	10%	.53	.40	500	.19
80-T491C225M035	T491C225M035AS	2.2	C	20%	.53	.40	500	.19
80-T491C335K035	T491C335K035AS	3.3	C	10%	.53	.40	500	.19
80-T491C335M035	T491C335M035AS	3.3	C	20%	.53	.40	500	.19
80-T491C475K035	T491C475K035AS	4.7	C	10%	.63	.48	500	.23
80-T491C475M035	T491C475M035AS	4.7	C	20%	.63	.48	500	.23
80-T491D475K035	T491D475K035AS	4.7	D	10%	.83	.63	500	.30
80-T491D475M035	T491D475M035AS	4.7	D	20%	.83	.63	500	.30
80-T491C685K035	T491C685K035AS	6.8	C	10%	.75	.57	500	.27
80-T491D685K035	T491D685K035AS	6.8	D	10%	.83	.63	500	.30
80-T491D106K035	T491D106K035AS	10	D	10%	.74	.56	500	.26

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
35 Volt (cont.)								
80-T491D106M035	T491D106M035AS	10	D	20%	.74	.56	500	.26
80-T491D156K035	T491D156K035AS	15	D	10%	.92	.70	500	.33
80-T491D156M035	T491D156M035AS	15	D	20%	.92	.70	500	.33
80-T491X156K035	T491X156K035AS	15	X	10%	3.65	2.77	500	1.31
80-T491X156M035	T491X156M035AS	15	X	20%	3.65	2.77	500	1.31
80-T491X226K035	T491X226K035AS	22	X	10%	3.65	2.77	500	1.31
80-T491X226M035	T491X226M035AS	22	X	20%	3.65	2.77	500	1.31
50 Volt								
80-T491A104K050	T491A104K050AS	0.1	A	10%	.30	.23	2000	.11
80-T491B224K050	T491B224K050AS	0.22	B	10%	.42	.32	2000	.15
80-T491B334K050	T491B334K050AS	0.33	B	10%	.42	.32	2000	.15
80-T491B474K050	T491B474K050AS	0.47	B	10%	.49	.37	2000	.17
80-T491C474K050	T491C474K050AS	0.47	C	10%	.72	.54	500	.26
80-T491C684K050	T491C684K050AS	0.68	C	10%	.72	.54	500	.26
80-T491C105K050	T491C105K050AS	1.0	C	10%	.72	.54	500	.26
80-T491C105M050	T491C105M050AS	1.0	C	20%	.72	.54	500	.26
80-T491C155K050	T491C155K050AS	1.5	C	10%	.87	.66	500	.31
80-T491D225K050	T491D225K050AS	2.2	D	10%	1.08	.82	500	.39
80-T491C225K050	T491C225K050AS	2.2	C	10%	1.04	.79	500	.37
80-T491D335K050	T491D335K050AS	3.3	D	10%	1.08	.82	500	.39
80-T491D475K050	T491D475K050AS	4.7	D	10%	1.08	.82	500	.39
80-T491D475M050	T491D475M050AS	4.7	D	20%	1.08	.82	500	.39
80-T491X685K050	T491X685K050AS	6.8	X	10%	4.88	3.71	500	1.76

KEMET T494 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, INDUSTRIAL GRADE

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
10 Volt								
80-T494A225K010	T494A225K010AS	2.2	A	10%	.51	.45	2000	.20
80-T494A475K010	T494A475K010AS	4.7	A	10%	.51	.45	2000	.20
80-T494B475K010	T494B475K010AS	4.7	B	10%	.70	.62	2000	.28
80-T494A106K010	T494A106K010AS	10	A	10%	.64	.56	2000	.26
80-T494B106K010	T494B106K010AS	10	B	10%	.70	.62	2000	.28
80-T494B226K010	T494B226K010AS	22	B	10%	1.11	.98	2000	.44
80-T494B226M010	T494B226M010AS	22	B	20%	1.07	.94	2000	.43
80-T494B336K010	T494B336K010AS	33	B	10%	1.15	1.01	2000	.46
80-T494C476K010	T494C476K010AS	47	C	10%	1.38	1.22	500	.59
80-T494D686K010	T494D686K010AS	68	D	10%	1.85	1.63	500	.79
80-T494D107K010	T494D107K							

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

KEMET T495 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, SURGE ROBUST

Features:

- Designed for very low ESR
High ripple current capability
High surge current capability
100% accelerated steady-state aging
100% Surge current test
New extended values for low ESR
Low equivalent Series Inductance (<2.5nH ESL)
Symmetrical, compliant terminations
Taped and reeled per EIA 481-1

Table with columns: MOUSER STOCK NO., KEMET Part Number, Value (uF), Case Code, Tol., Price Each (1, 100), Reel Qty., Price per Piece. Rows include 6 Volt, 10 Volt, 16 Volt, 20 Volt, 25 Volt, 35 Volt, and 50 Volt series.

T496 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, FAIL-SAFE FUSED

Features:

- Built-in fuse protects against damaging short circuit failure mode
Precision-molded, laser-marked case
Symmetrical, compliant terminations
Taped and reeled per EIA 481-1
Patented fuse assembly
100% Surge Current test on C, D, X sizes
Continuous current capability: 0.75 amps
Case geometry and footprints equivalent to Industrial Grade T491 Series. (Case sizes B, C, D and X only)
Fuse actuation, 25 C: within 1 second at fault currents of 4 amps and higher.
Post-actuation resistance, 25C: 10 megohms minimum
Test tabs on the sides of the case bypass the capacitor element to allow direct testing of the fuse assembly

Table with columns: MOUSER STOCK NO., KEMET Part Number, Value (uF), Case Code, Tol., Price Each (1, 100), Reel Qty., Price per Piece. Rows include 4 Volt and 50 Volt series.

KEMET T496 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, FAIL-SAFE FUSED (CONT.)

Table with columns: MOUSER STOCK NO., KEMET Part Number, Value (uF), Case Code, Tol., Price Each (1, 100), Reel Qty., Price per Piece. Rows include 6 Volt, 10 Volt, 16 Volt, 20 Volt, 25 Volt, 35 Volt, and 50 Volt series.

Tantalum Capacitors Kemet

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

KEMET Tantalum Electrolytic Capacitors



"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ± 0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "UltraDip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability.

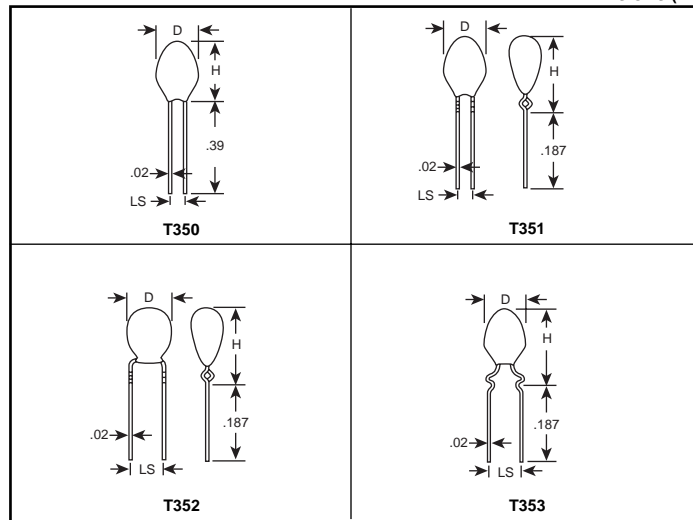
Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

T350, Straight Lead

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μ F)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T350E336K006	T350E336K006AS	33	.216	.350	.100	.78	.69	.53
80-T350F476K006	T350F476K006AS	47	.258	.390	.100	.92	.81	.63
80-T350G686K006	T350G686K006AS	68	.250	.400	.100	1.26	1.11	.86
80-T350H107K006	T350H107K006AS	100	.300	.400	.100	2.40	2.10	1.62
80-T350L337K006	T350L337K006AS	330	.350	.630	.200	8.50	7.45	5.75
10 Volt								
80-T350A475K010	T350A475K010AS	4.7	.175	.280	.100	.39	.34	.26
80-T350B685K010	T350B685K010AS	6.8	.175	.300	.100	.46	.41	.34
80-T350C106K010	T350C106K010AS	10	.196	.330	.100	.46	.41	.31
80-T350E226K010	T350E226K010AS	22	.216	.350	.100	.73	.64	.49
80-T350F336K010	T350F336K010AS	33	.258	.390	.100	.84	.74	.57
80-T350H476K010	T350H476K010AS	47	.300	.400	.100	1.77	1.55	1.20
80-T350H686K010	T350H686K010AS	68	.300	.400	.100	2.07	1.82	1.40
80-T350J107K010	T350J107K010AS	100	.330	.500	.200	2.56	2.24	1.73
80-T350L227K010	T350L227K010AS	220	.350	.630	.200	8.50	7.45	5.75
16 Volt								
80-T350A155K016	T350A155K016AS	1.5	.175	.280	.100	.44	.39	.30
80-T350A225K016	T350A225K016AS	2.2	.175	.280	.100	.34	.30	.27
80-T350A335K016	T350A335K016AS	3.3	.175	.280	.100	.34	.30	.27
80-T350B475K016	T350B475K016AS	4.7	.175	.300	.100	.46	.41	.31
80-T350E106K016	T350E106K016AS	10	.216	.350	.100	.48	.42	.32
80-T350E156K016	T350E156K016AS	15	.216	.350	.100	.70	.62	.48
80-T350F226K016	T350F226K016AS	22	.258	.390	.100	.73	.64	.49
80-T350H336K016	T350H336K016AS	33	.300	.400	.100	1.71	1.50	1.16
80-T350J476K016	T350J476K016AS	47	.330	.500	.200	2.18	1.90	1.47
80-T350K686K016	T350K686K016AS	68	.350	.530	.200	2.82	2.46	1.90
80-T350L107K016	T350L107K016AS	100	.350	.630	.200	5.47	4.79	3.69
80-T350M157K016	T350M157K016AS	150	.400	.630	.200	8.50	7.45	5.75
20 Volt								
80-T350C475K020	T350C475K020AS	4.7	.196	.330	.100	.54	.47	.36
80-T350E106K020	T350E106K020AS	10	.216	.350	.100	.62	.55	.42
80-T350F156K020	T350F156K020AS	15	.258	.390	.100	.87	.76	.59
80-T350G226K020	T350G226K020AS	22	.250	.400	.100	1.71	1.50	1.16
80-T350K476K020	T350K476K020AS	47	.350	.530	.200	2.72	2.38	1.84
80-T350L686K020	T350L686K020AS	68	.350	.630	.200	6.12	5.36	4.13
80-T350M107K020	T350M107K020AS	100	.400	.670	.200	6.12	5.36	4.13
25 Volt								
80-T350A105K025	T350A105K025AS	1.0	.175	.280	.100	.34	.30	.27
80-T350B225K025	T350B225K025AS	2.2	.175	.300	.100	.42	.37	.32
80-T350B335K025	T350B335K025AS	3.3	.175	.300	.100	.50	.43	.34
80-T350C475K025	T350C475K025AS	4.7	.196	.330	.100	.57	.50	.38
80-T350E106K025	T350E106K025AS	10	.216	.350	.100	.67	.59	.45
80-T350H226K025	T350H226K025AS	22	.300	.400	.100	1.98	1.74	1.34
80-T350J336K025	T350J336K025AS	33	.330	.500	.200	2.72	2.38	1.84
80-T350K476K025	T350K476K025AS	47	.350	.530	.200	3.97	3.47	2.67
80-T350L686K025	T350L686K025AS	68	.350	.630	.200	8.50	7.45	5.75
35 Volt								
80-T350A104K035	T350A104K035AS	0.1	.175	.280	.100	.30	.26	.21
80-T350A224K035	T350A224K035AS	0.22	.175	.280	.100	.34	.30	.23
80-T350A334K035	T350A334K035AS	0.33	.175	.280	.100	.34	.30	.27
80-T350A474K035	T350A474K035AS	0.47	.175	.280	.100	.34	.30	.23
80-T350A684K035	T350A684K035AS	0.68	.175	.280	.100	.34	.30	.27
80-T350A105K035	T350A105K035AS	1.0	.175	.280	.100	.30	.26	.25
80-T350B155K035	T350B155K035AS	1.5	.175	.300	.100	.40	.35	.31
80-T350C225K035	T350C225K035AS	2.2	.196	.330	.100	.47	.42	.32
80-T350D335K035	T350D335K035AS	3.3	.196	.340	.100	.64	.56	.43
80-T350E475K035	T350E475K035AS	4.7	.216	.350	.100	.62	.55	.42
80-T350F685K035	T350F685K035AS	6.8	.258	.390	.100	.67	.59	.45
80-T350G106K035	T350G106K035AS	10	.250	.400	.100	1.07	.93	.69
80-T350J156K035	T350J156K035AS	15	.330	.500	.200	2.30	2.02	1.55
80-T350K226K035	T350K226K035AS	22	.350	.530	.200	2.43	2.13	1.65
80-T350L336K035	T350L336K035AS	33	.350	.630	.200	5.78	5.07	3.91
80-T350M476K035	T350M476K035AS	47	.400	.670	.200	8.50	7.45	5.75
50 Volt								
80-T350A104K050	T350A104K050AS	0.1	.175	.280	.100	.39	.34	.26
80-T350B105K050	T350B105K050AS	1.0	.175	.300	.100	.43	.38	.30
80-T350E225K050	T350E225K050AS	2.2	.216	.350	.100	.84	.74	.57
80-T350F335K050	T350F335K050AS	3.3	.258	.390	.100	.95	.84	.64
80-T350G475K050	T350G475K050AS	4.7	.250	.400	.100	1.23	1.08	.83
80-T350K106K050	T350K106K050AS	10	.350	.530	.200	3.46	3.02	2.43
80-T350M226K050	T350M226K050AS	22	.400	.670	.200	9.86	8.64	6.67

DIMENSIONS (IN.)



D = max. diameter, H = max. height, LS = lead spacing

T351, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μ F)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T351A475K010	T351A475K010AS	4.7	.175	.380	.100	.55	.48	.36
16 Volt								
80-T351A225K016	T351A225K016AS	2.2	.175	.380	.100	.44	.39	.30
80-T351B475K016	T351B475K016AS	4.7	.175	.390	.100	.67	.59	.46
80-T351F226K016	T351F226K016AS	22	.258	.480	.100	1.07	.94	.71
25 Volt								
80-T351B225K025	T351B225K025AS	2.2	.175	.390	.100	.57	.50	.38
80-T351E106K025	T351E106K025AS	10	.216	.440	.100	1.07	.94	.71
35 Volt								
80-T351A474K035	T351A474K035AS	0.47	.175	.380	.100	.44	.39	.30
80-T351A105K035	T351A105K035AS	1.0	.175	.380	.100	.44	.39	.30
80-T351C225K035	T351C225K035AS	2.2	.196	.420	.100	.67	.59	.46
80-T351G106K035	T351G106K035AS	10	.250	.510	.100	1.71	1.50	1.16

T352, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μ F)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
16 Volt								
80-T352F226K016	T352F226K016AS	22	.258	.500	.200	1.07	.94	.71
25 Volt								
80-T352E106K025	T352E106K025AS	1.0	.216	.460	.200	1.07	.94	.71
35 Volt								
80-T352A105K035	T352A105K035AS	1.0	.175	.400	.200	.44	.39	.30
80-T352F685K035	T352F685K035AS	6.8	.258	.500	.200	1.01	.88	.69
80-T352G106K035	T352G106K035AS	10	.250	.510	.200	1.71	1.50	1.16

T353, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μ F)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
20 Volt								
80-T353M107K020	T353M107K020AS	100	.400	.760	.200	9.35	8.18	6.31
25 Volt								
80-T353E106K025	T353E106K025AS	10	.216	.460	.200	1.07	.94	.71
80-T353H226K025	T353H226K025AS	22	.300	.520	.200	2.97	2.60	2.01
35 Volt								
80-T353A105K035	T353A105K035AS	1.0	.175	.400	.200	.44	.39	.30
80-T353G106K035	T353G106K035AS	10	.250	.510	.200	1.71	1.50	1.16
80-T353K226K035	T353K226K035AS	22	.350	.630	.200	3.59	3.14	2.42
80-T353M476K035	T353M476K035AS	47	.400	.760	.200	9.35	8.18	6.31
50 Volt								
80-T353K106K050	T353K106K050AS	10	.350	.630	.200	4.48	3.92	3.02

Kemet Tantalum Capacitors

KEMET Tantalum Electrolytic Capacitors



"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "Ultra Dip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability.

Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

T354, Formed Leads

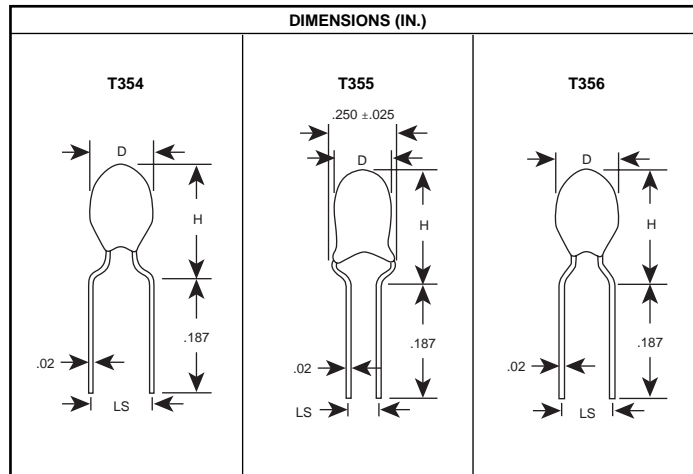
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T354F476K006	T354F476K006AS	47	.236	.440	.250	1.07	.94	.71
80-T354L337K006	T354L337K006AS	330	.350	.710	.250	9.35	8.18	6.31
10 Volt								
80-T354H476K010	T354H476K010AS	47	.300	.470	.250	2.07	1.82	1.40
80-T354J107K010	T354J107K010AS	100	.330	.550	.250	3.81	3.33	2.58
80-T354L227K010	T354L227K010AS	220	.350	.710	.250	9.35	8.18	6.31
16 Volt								
80-T354E106K016	T354E106K016AS	10	.216	.400	.250	.81	.71	.55
80-T354F226K016	T354F226K016AS	22	.236	.440	.250	1.07	.94	.71
80-T354H336K016	T354H336K016AS	33	.300	.470	.250	2.07	1.82	1.40
80-T354K686K016	T354K686K016AS	68	.350	.610	.250	3.81	3.33	2.58
80-T354L107K016	T354L107K016AS	100	.350	.710	.250	8.16	7.14	5.51
80-T354M157K016	T354M157K016AS	150	.400	.740	.250	9.35	8.18	6.31
20 Volt								
80-T354E106K020	T354E106K020AS	10	.216	.400	.250	1.01	.88	.69
80-T354F156K020	T354F156K020AS	15	.236	.440	.250	1.09	.95	.74
80-T354G226K020	T354G226K020AS	22	.250	.450	.250	2.04	1.79	1.38
80-T354K476K020	T354K476K020AS	47	.350	.610	.250	3.59	3.14	2.42
80-T354L686K020	T354L686K020AS	68	.350	.710	.250	8.16	7.14	5.51
80-T354M107K020	T354M107K020AS	100	.400	.740	.250	9.35	8.18	6.31
25 Volt								
80-T354B225K025	T354B225K025AS	2.2	.175	.350	.250	.57	.50	.38
80-T354C475K025	T354C475K025AS	4.7	.196	.380	.250	.81	.72	.55
80-T354E106K025	T354E106K025AS	10	.216	.400	.250	1.07	.94	.71
80-T354H226K025	T354H226K025AS	22	.300	.470	.250	2.97	2.60	2.01
80-T354J276K025	T354J276K025AS	27	.330	.550	.250	3.81	3.33	2.58
80-T354J336K025	T354J336K025AS	33	.330	.550	.250	3.81	3.33	2.58
80-T354K476K025	T354K476K025AS	47	.350	.610	.250	5.79	5.07	3.90
80-T354L686K025	T354L686K025AS	68	.350	.710	.250	9.35	8.18	6.31
35 Volt								
80-T354A105K035	T354A105K035AS	1.0	.175	.340	.250	.44	.39	.30
80-T354C225K035	T354C225K035AS	2.2	.196	.380	.250	.67	.59	.46
80-T354E475K035	T354E475K035AS	4.7	.216	.400	.250	.89	.78	.60
80-T354F685K035	T354F685K035AS	6.8	.236	.440	.250	1.01	.88	.69
80-T354G106K035	T354G106K035AS	10	.250	.450	.250	1.71	1.50	1.16
80-T354J156K035	T354J156K035AS	15	.330	.550	.250	3.59	3.14	2.42
80-T354K226K035	T354K226K035AS	22	.350	.610	.250	3.59	3.14	2.42
80-T354L336K035	T354L336K035AS	33	.350	.710	.250	6.29	5.51	4.25
80-T354M476K035	T354M476K035AS	47	.400	.740	.250	9.35	8.18	6.31
50 Volt								
80-T354B105K050	T354B105K050AS	1.0	.175	.350	.250	.57	.50	.38
80-T354G475K050	T354G475K050AS	4.7	.250	.450	.250	1.47	1.29	.99
80-T354K106K050	T354K106K050AS	10	.350	.610	.250	4.48	3.92	3.02
80-T354L156K050	T354L156K050AS	15	.350	.710	.250	5.61	4.91	3.79
80-T354M226K050	T354M226K050AS	22	.400	.740	.250	10.85	9.49	7.33

T355, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T355F336K010	T355F336K010AS	33	.236	.440	.125	1.17	1.03	.80
16 Volt								
80-T355E106K016	T355E106K016AS	10	.216	.400	.125	.81	.71	.55
80-T355F226K016	T355F226K016AS	22	.236	.440	.125	1.07	.94	.71
20 Volt								
80-T355E106K020	T355E106K020AS	10	.216	.400	.125	1.01	.88	.69
80-T355F156K020	T355F156K020AS	15	.236	.440	.125	1.09	.95	.74
25 Volt								
80-T355B225K025	T355B225K025AS	2.2	.175	.350	.125	.57	.50	.38
80-T355C475K025	T355C475K025AS	4.7	.196	.380	.125	.81	.72	.55
80-T355E106K025	T355E106K025AS	10	.216	.400	.125	1.07	.94	.71
80-T355H226K025	T355H226K025AS	22	.300	.470	.125	2.97	2.60	2.01



D = max. diameter, H = max. height, LS = lead spacing

T355, Formed Leads (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
35 Volt								
80-T355A334K035	T355A334K035AS	0.33	.175	.340	.125	.44	.39	.30
80-T355A105K035	T355A105K035AS	1.0	.175	.340	.125	.44	.39	.30
80-T355B155K035	T355B155K035AS	1.5	.175	.350	.125	.62	.54	.42
80-T355C225K035	T355C225K035AS	2.2	.196	.380	.125	.67	.59	.46
80-T355D335K035	T355D335K035AS	3.3	.196	.390	.125	.84	.74	.57
80-T355E475K035	T355E475K035AS	4.7	.216	.400	.125	.89	.78	.60
80-T355F685K035	T355F685K035AS	6.8	.236	.440	.125	1.01	.88	.69
80-T355G106K035	T355G106K035AS	10	.250	.450	.125	1.71	1.50	1.16
50 Volt								
80-T355B105K050	T355B105K050AS	1.0	.175	.350	.125	.57	.50	.38
80-T355E225K050	T355E225K050AS	2.2	.216	.400	.125	1.07	.94	.71

T356, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T356J107K010	T356J107K010AS	100	.330	.550	.200	2.56	2.24	1.73
16 Volt								
80-T356B475K016	T356B475K016AS	4.7	.175	.350	.200	.46	.41	.31
80-T356E106K016	T356E106K016AS	10	.196	.390	.200	.48	.42	.38
80-T356F226K016	T356F226K016AS	22	.236	.440	.200	.73	.64	.49
80-T356H336K016	T356H336K016AS	33	.300	.470	.200	1.71	1.50	1.16
80-T356J476K016	T356J476K016AS	47	.330	.550	.200	2.18	1.90	1.47
80-T356K686K016	T356K686K016AS	68	.350	.610	.200	2.82	2.46	1.90
80-T356L107K016	T356L107K016AS	100	.350	.710	.200	5.47	4.79	3.69
80-T356M157K016	T356M157K016AS	150	.400	.740	.200	8.50	7.45	5.75
20 Volt								
80-T356E106K020	T356E106K020AS	10	.216	.400	.200	.62	.55	.38
80-T356F156K020	T356F156K020AS	15	.236	.440	.200	.87	.76	.59
80-T356M107K020	T356M107K020AS	100	.400	.740	.200	6.12	5.36	4.13
25 Volt								
80-T356C475K025	T356C475K025AS	4.7	.196	.380	.200	.57	.50	.38
80-T356E106K025	T356E106K025AS	10	.216	.400	.200	.67	.59	.45
80-T356H226K025	T356H226K025AS	22	.300	.470	.200	1.98	1.74	1.34
80-T356J336K025	T356J336K025AS	33	.330	.550	.200	2.72	2.38	1.84
80-T356K476K025	T356K476K025AS	47	.350	.610	.200	3.97	3.47	2.67
80-T356L686K025	T356L686K025AS	68	.350	.710	.200	8.50	7.45	5.75
35 Volt								
80-T356A105K035	T356A105K035AS	1.0	.175	.340	.200	.34	.30	.27
80-T356C225K035	T356C225K035AS	2.2	.196	.380	.200	.47	.42	.32
80-T356E475K035	T356E475K035AS	4.7	.216	.400	.200	.62	.55	.42
80-T356G106K035	T356G106K035AS	10	.250	.450	.200	1.07	.93	.69
80-T356K226K035	T356K226K035AS	22	.350	.610	.200	2.43	2.13	1.65
80-T356L336K035	T356L336K035AS	33	.350	.710	.200	5.78	5.07	3.91
50 Volt								
80-T356B105K050	T356B105K050AS	1.0	.175	.350	.200	.43	.38	.30
80-T356K106K050	T356K106K050AS	10	.350	.610	.200	3.46	3.02	2.43
80-T356M226K050	T356M226K050AS	22	.400	.740	.200	9.86	8.64	6.67

T322 SERIES, TANTALUM, MOLDED AXIALS, 10% TOLERANCE

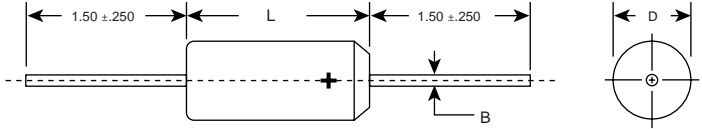
These capacitors offer an extremely high capacitance-to-volume ratio while still maintaining excellent performance. Ideally suited for use in printed wiring boards and all applications requiring a high degree of packaging density.

Typical applications include decoupling, blocking, bypassing and filtering in commercial computers, data processing, communications, and other electronic equipment. The low ESR/impedance at high frequencies offered by this capacitor is especially suitable for decoupling required by high speed computers.

6.3 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322B156K006	T322B156K006AS	15	.110	.290	.020	.59	.51	.44
80-T322D476K006	T322D476K006AS	47	.180	.420	.020	1.18	1.04	.88
80-T322D686K006	T322D686K006AS	68	.180	.420	.020	1.26	1.10	.94



10 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A335K010	T322A335K010AS	3.3	.095	.260	.020	.54	.47	.40
80-T322B475K010	T322B475K010AS	4.7	.110	.290	.020	.59	.51	.44
80-T322B106K010	T322B106K010AS	10	.110	.290	.020	.59	.51	.44
80-T322C226K010	T322C226K010AS	22	.180	.345	.020	1.07	.94	.79
80-T322D336K010	T322D336K010AS	33	.180	.420	.020	1.18	1.04	.88
80-T322D396K010	T322D396K010AS	39	.180	.420	.020	1.18	1.04	.88
80-T322D476K010	T322D476K010AS	47	.180	.420	.020	1.26	1.10	.94
80-T322E107K010	T322E107K010AS	100	.280	.530	.025	3.27	2.88	2.43
80-T322F227K010	T322F227K010AS	220	.300	.710	.025	8.93	7.85	6.64

25 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A105K025	T322A105K025AS	1.0	.095	.260	.020	.54	.47	.40
80-T322B225K025	T322B225K025AS	2.2	.110	.290	.020	.63	.55	.46
80-T322C685K025	T322C685K025AS	6.8	.180	.345	.020	1.07	.94	.79
80-T322C106K025	T322C106K025AS	10	.180	.345	.020	1.07	.94	.79
80-T322D156K025	T322D156K025AS	15	.180	.420	.020	1.26	1.10	.94
80-T322E226K025	T322E226K025AS	22	.280	.530	.025	3.27	2.88	2.43
80-T322E476K025	T322E476K025AS	47	.280	.530	.025	5.33	4.68	3.96

35 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A474K035	T322A474K035AS	0.47	.095	.260	.020	.54	.47	.40
80-T322B105K035	T322B105K035AS	1.0	.110	.290	.020	.59	.51	.44
80-T322C225K035	T322C225K035AS	2.2	.180	.345	.020	1.07	.94	.79
80-T322C335K035	T322C335K035AS	3.3	.180	.345	.020	1.07	.94	.79
80-T322C475K035	T322C475K035AS	4.7	.180	.345	.020	1.07	.94	.79
80-T322D565K035	T322D565K035AS	5.6	.180	.420	.020	1.18	1.04	.88
80-T322D685K035	T322D685K035AS	6.8	.180	.420	.020	1.18	1.04	.88
80-T322D106K035	T322D106K035AS	10	.180	.420	.020	1.26	1.10	.94
80-T322E226K035	T322E226K035AS	22	.280	.530	.025	3.27	2.88	2.43
80-T322E336K035	T322E336K035AS	33	.280	.530	.025	5.33	4.68	3.96
80-T322F476K035	T322F476K035AS	47	.300	.710	.025	8.93	7.85	6.64

15 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322B335K015	T322B335K015AS	3.3	.110	.290	.020	.59	.51	.44
80-T322B685K015	T322B685K015AS	6.8	.110	.290	.020	.63	.55	.46
80-T322D226K015	T322D226K015AS	22	.180	.420	.020	1.18	1.04	.88
80-T322D336K015	T322D336K015AS	33	.180	.420	.020	1.26	1.10	.94
80-T322E107K015	T322E107K015AS	100	.280	.530	.025	5.33	4.68	3.96

20 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A105K020	T322A105K020AS	1.0	.095	.260	.020	.54	.47	.40
80-T322B225K020	T322B225K020AS	2.2	.110	.290	.020	.59	.51	.44
80-T322B475K020	T322B475K020AS	4.7	.110	.290	.020	.63	.55	.46
80-T322C106K020	T322C106K020AS	10	.180	.345	.020	1.07	.94	.79
80-T322D156K020	T322D156K020AS	15	.180	.420	.020	1.18	1.04	.88
80-T322D226K020	T322D226K020AS	22	.180	.420	.020	1.26	1.10	.94
80-T322E476K020	T322E476K020AS	47	.280	.530	.025	3.27	2.88	2.43
80-T322F107K020	T322F107K020AS	100	.300	.710	.025	8.93	7.85	6.64

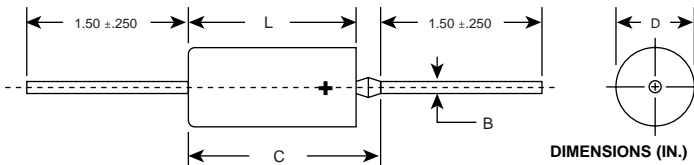
50 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			D	L	B	1	10	100
80-T322A104K050	T322A104K050AS	0.1	.095	.260	.020	.62	.55	.47
80-T322B105K050	T322B105K050AS	1.0	.110	.290	.020	.75	.66	.56
80-T322E106K050	T322E106K050AS	10	.280	.530	.025	3.57	3.14	2.66
80-T322F226K050	T322F226K050AS	22	.300	.710	.025	10.80	9.23	7.69

KEMET T110 SERIES, TANTALUM HERMETICALLY SEALED, AXIAL, 10% TOLERANCE

KEMET standard hermetic sealed T110 Series are desirable for use in high humidity environments. They are ruggedly built, designed for miniaturized circuitry, and are especially suited for coupling, bypass filtering and R-C timing circuits. They exhibit excellent stability, extremely low DC leakage current, dissipation factor, and ESR/impedance over a wide temperature and frequency range.



6.3 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)				Price Each		
			D	L	B	C	1	25	50
80-T110B476K006	T110B476K006AS	47	.185	.474	.020	.610	2.10	1.76	1.57

10 Volt

80-T110A105K010	T110A105K010AS	1.0	.135	.286	.020	.422	1.62	1.36	1.21
80-T110A475K010	T110A475K010AS	4.7	.135	.286	.020	.422	1.62	1.36	1.21
80-T110B106K010	T110B106K010AS	10	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B226K010	T110B226K010AS	22	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B336K010	T110B336K010AS	33	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B396K010	T110B396K010AS	39	.185	.474	.020	.610	2.10	1.76	1.57
80-T110C107K010	T110C107K010AS	100	.289	.686	.025	.822	4.95	4.13	3.72
80-T110C127K010	T110C127K010AS	120	.289	.686	.025	.822	4.95	4.13	3.72
80-T110D227K010	T110D227K010AS	220	.351	.786	.025	.922	12.27	10.23	9.20

15 Volt

80-T110A335K015	T110A335K015AS	3.3	.135	.286	.020	.422	1.62	1.36	1.21
80-T110B226K015	T110B226K015AS	22	.185	.474	.020	.610	2.10	1.76	1.57
80-T110D107K015	T110D107K015AS	100	.351	.786	.025	.922	12.27	10.23	9.20
80-T110D127K015	T110D127K015AS	120	.351	.786	.025	.922	12.27	10.23	9.20

20 Volt

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)				Price Each		
			D	L	B	C	1	25	50
80-T110A105K020	T110A105K020AS	1.0	.135	.286	.020	.422	1.62	1.36	1.21
80-T110A225K020	T110A225K020AS	2.2	.135	.286	.020	.422	1.62	1.36	1.21
80-T110B106K020	T110B106K020AS	10	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B156K020	T110B156K020AS	15	.185	.474	.020	.610	2.10	1.76	1.57
80-T110C476K020	T110C476K020AS	47	.289	.686	.025	.822	4.95	4.13	3.72
80-T110D107K020	T110D107K020AS	100	.351	.786	.025	.922	12.27	10.23	9.20

35 Volt

80-T110A474K035	T110A474K035AS	0.47	.135	.286	.020	.422	1.62	1.36	1.21
80-T110A105K035	T110A105K035AS	1.0	.135	.286	.020	.422	1.62	1.36	1.21
80-T110B225K035	T110B225K035AS	2.2	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B335K035	T110B335K035AS	3.3	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B475K035	T110B475K035AS	4.7	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B565K035	T110B565K035AS	5.6	.185	.474	.020	.610	2.10	1.76	1.57
80-T110B685K035	T110B685K035AS	6.8	.185	.474	.020	.610	2.10	1.76	1.57
80-T110C106K035	T110C106K035AS	10	.289	.686	.025	.822	4.95	4.13	3.72
80-T110C226K035	T110C226K035AS	22	.289	.686	.025	.822	4.95	4.13	3.72
80-T110D476K035	T110D476K035AS	47	.351	.786	.025	.922	12.27	10.23	9.20

50 Volt

80-T110A103K050	T110A103K050AS	0.01	.135	.286	.020	.422	14.07	11.73	10.55
80-T110A105K050	T110A105K050AS	1.0	.135	.286	.020	.422	1.65	1.38	1.24
80-T110B475K050	T110B475K050AS	4.7							

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

AVX TPS SERIES III TANTALUM CHIP CAPACITORS

Features:

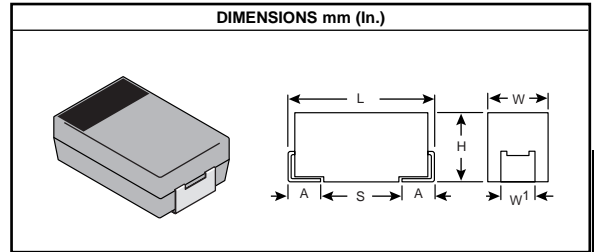
- Low ESR levels previously only seen by other technologies.
- Traditional MnO₂ technologies guarantees excellent line and field performance, humidity stability and high electrical and thermal stress resistance.

Specifications:

- Capacitance Range: 1.0uF to 1000uF
- Capacitance Tolerance: ±10%, ±20%
- Temperature Range: -55 °C to +125°C

Code	EIA Code	L	W	H
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)
E	7343H	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)
V	7361	7.3 (0.287)	6.1 (0.240)	3.45 (0.136)
Y**	7343L	7.3 (0.287)	4.3 (0.169)	2.0 (0.079)

** low profile version



New Generation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Voltage	Tolerance	Case Size	ESR	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part Number						1	100		
581	TPSD477M004R0045	470	4	20%	D	45	5.25	4.38	500	3.15
581	TPSD337M006R0045	330	6	20%	D	45	8.55	7.13	500	5.13
581	TPSE477M006R0045	470	6	20%	E	45	7.95	6.63	400	4.77
581	TPSC107M010R0075	100	10	20%	C	75	1.65	1.38	500	.99
581	TPSD157M010R0050	150	10	20%	D	50	2.40	2.00	500	1.44
581	TPSE227M010R0050	220	10	20%	E	50	7.35	6.13	400	4.41
581	TPSE477M010R0045	470	10	20%	E	45	9.75	8.13	400	5.85
581	TPSY107M010R0100	100	10	20%	Y	100	3.69	3.08	1000	2.09
581	TPSE686M025R0125	68	25	20%	E	125	6.02	5.02	400	3.61
581	TPSD226M035R0200	22	35	20%	D	200	5.85	4.88	500	3.51
581	TPSD336M035R0200	33	35	20%	D	200	5.94	4.95	500	3.56

TPS LOW ESR Tantalum Capacitors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Voltage	Tolerance	Case Size	ESR	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part Number						1	100		
581	TPSA106K006R1500	10	6	10%	A	1500	.60	.50	2000	.32
581	TPSD227K006R0100	220	6	10%	D	100	2.52	2.10	500	1.51
581	TPSE337K006R0100	330	6	10%	E	100	6.24	5.20	400	3.74
581	TPSE477M006R0045	470	6	20%	E	45	7.95	6.63	400	4.77
581	TPSV477K006R0055	470	6	10%	V	55	9.15	7.63	400	5.49
581	TPSA475K010R1400	4.7	10	10%	A	1400	.60	.50	2000	.32
581	TPSA106K010R1800	10	10	10%	A	1800	.62	.51	2000	.33
581	TPSA156K010R1000	15	10	10%	A	1000	.60	.50	2000	.32
581	TPSB476K010R0650	47	10	10%	B	650	.75	.63	2000	.40
581	TPSC476K010R0350	47	10	10%	C	350	1.26	1.05	500	.76
581	TPSC107K010R0200	100	10	10%	C	200	2.83	2.36	500	1.70
581	TPSC107K010R0100	100	10	10%	C	100	1.50	1.25	500	.90
581	TPSD107K010R0100	100	10	10%	D	100	2.34	1.95	500	1.40
581	TPSD107M010R0080	100	10	20%	D	80	2.40	2.00	500	1.44
581	TPSD157K010R0100	150	10	10%	D	100	2.52	2.10	500	1.51
581	TPSD227K010R0100	220	10	10%	D	100	4.95	4.13	500	2.97
581	TPSD337K010R0100	330	10	10%	D	100	7.65	6.38	500	4.59
581	TPSE227K010R0100	220	10	10%	E	100	6.24	5.20	400	3.74
581	TPSE337M010R0100	330	10	20%	E	100	7.65	6.38	400	4.59
581	TPSE337M010R0060	330	10	20%	E	60	8.40	7.00	400	5.04
581	TPSE477K010R0045	470	10	10%	E	45	9.90	8.25	400	5.94
581	TPSV337K010R0060	330	10	10%	V	60	9.15	7.63	400	5.49
581	TPSA475K016R2000	4.7	16	10%	A	2000	.60	.50	2000	.32
581	TPSB106K016R0800	10	16	10%	B	800	.75	.63	2000	.40
581	TPSB226K016R0600	22	16	10%	B	600	.75	.63	2000	.40
581	TPSC226K016R0375	22	16	10%	C	375	1.26	1.05	500	.76
581	TPSC336M016R0300	33	16	20%	C	300	1.20	1.00	500	.72
581	TPSC476K016R0350	47	16	10%	C	350	1.53	1.28	500	.92
581	TPSD476M016R0200	47	16	20%	D	200	2.16	1.80	500	1.30
581	TPSD476K016R0150	47	16	10%	D	150	2.34	1.95	500	1.40
581	TPSD107K016R0125	100	16	10%	D	125	2.52	2.10	500	1.51
581	TPSV227K016R0075	220	16	10%	V	75	9.45	7.88	400	5.67
581	TPSD336M020R0200	33	20	20%	D	200	2.22	1.85	500	1.33
581	TPSE686K020R0150	68	20	10%	E	150	6.09	5.08	400	3.65
581	TPSE107M020R0150	100	20	20%	E	150	8.85	7.38	400	5.31
581	TPSV107K020R0085	100	20	10%	V	85	10.05	8.38	400	6.03
581	TPSC106K025R0500	10	25	10%	C	500	1.20	1.00	500	.72
581	TPSD226K025R0200	22	25	10%	D	200	2.34	1.95	500	1.40
581	TPSD476M025R0250	47	25	20%	D	250	2.40	2.00	500	1.45
581	TPSE336K025R0200	33	25	10%	E	200	3.00	2.50	400	1.80
581	TPSV686K025R0150	68	25	10%	V	150	9.45	7.88	400	5.67
581	TPSV686K025R0095	68	25	10%	V	95	10.05	8.38	400	6.03
581	TPSD106M035R0300	10	35	20%	D	300	2.07	1.73	500	1.24
581	TPSD156M035R0300	15	35	20%	D	300	2.22	1.85	500	1.33
581	TPSD226M035R0400	22	35	20%	D	400	3.60	3.00	500	2.16
581	TPSD336M035R0300	33	35	20%	D	300	5.55	4.63	500	3.33
581	TPSE106M035R0200	10	35	20%	E	200	3.15	2.63	400	1.89
581	TPSE226M035R0300	22	35	20%	E	300	5.85	4.88	400	3.51
581	TPSE226K035R0300	22	35	10%	E	300	6.09	5.08	400	3.65
581	TPSE476M035R0200	47	35	20%	E	200	7.09	5.91	400	4.26

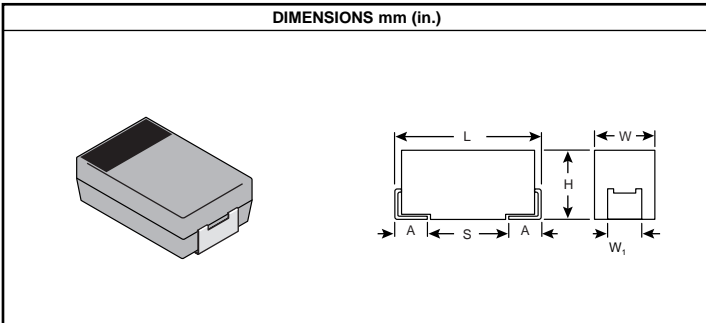
NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Tantalum Chip Capacitors

AVX TANTALUM CHIP CAPACITORS

The TAJ standard series encompasses the five key sizes recognized by major OEMs throughout the world. The V case size has been added to the TAJ range to allow high CVTs to be offered. The operational temperature is -55°C to +85°C at rated voltage and up to +125°C with voltage derating in applications utilizing recommended series resistance.

Tantalum Capacitors



Code	EIA Code	L±0.2(0.008)	W+0.2(0.008) -0.1(0.008)	H+0.2(0.008) -0.1(0.004)	W ± 0.2 (0.008)	A+0.3(0.012) -0.2(0.008)	S Min.
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)

W₁ dimension applies to the termination width for A dimensional area only.

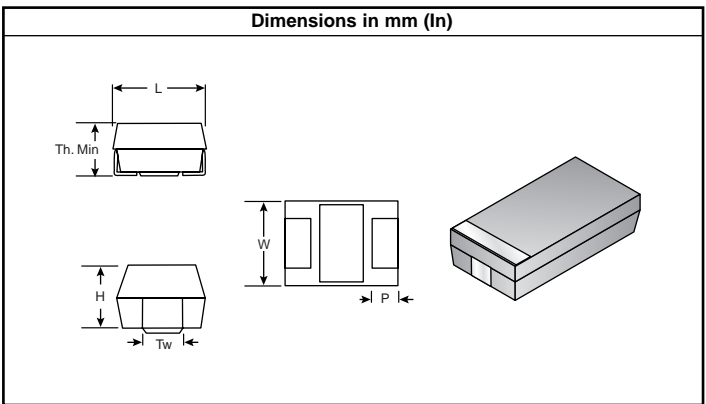
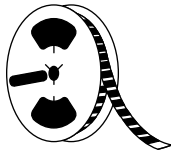
TAJ Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (µF)	Case Size	Price Each			Tape and Reel	
				1	100	200	Qty.	Price/Each
10 Volt 10% Tolerance								
581-TAJA225K010	TAJA225K010R	2.2	A	.32	.28	.26	2000	.14
581-TAJA335K010	TAJA335K010R	3.3	A	.33	.29	.27	2000	.15
581-TAJA475K010	TAJA475K010R	4.7	A	.33	.29	.27	2000	.15
581-TAJA685K010	TAJA685K010R	6.8	A	.36	.32	.29	2000	.16
581-TAJB106K010	TAJB106K010R	10	B	.44	.39	.36	2000	.19
581-TAJB156K010	TAJB156K010R	15	B	.47	.41	.38	2000	.21
581-TAJD476K010	TAJD476K010R	47	D	1.28	1.12	1.04	500	.56
581-TAJD107K010	TAJD107K010R	100	D	1.56	1.37	1.27	500	.68
16 Volt 10% Tolerance								
581-TAJA105K016	TAJA105K016R	1	A	.32	.28	.26	2000	.14
581-TAJA225K016	TAJA225K016R	2.2	A	.33	.29	.27	2000	.15
581-TAJA335K016	TAJA335K016R	3.3	A	.33	.29	.27	2000	.15
581-TAJB475K016	TAJB475K016R	4.7	B	.44	.39	.36	2000	.19
581-TAJB685K016	TAJB685K016R	6.8	B	.44	.39	.36	2000	.19
581-TAJB106K016	TAJB106K016R	10	B	.47	.41	.38	2000	.21
581-TAJC156K016	TAJC156K016R	15	C	.76	.67	.62	500	.33
581-TAJD476K016	TAJD476K016R	47	D	1.34	1.17	1.09	500	.59
20 Volt 10% Tolerance								
581-TAJA105K020	TAJA105K020R	1	A	.32	.28	.26	2000	.14
581-TAJA335K020	TAJA335K020R	3.3	A	.38	.33	.31	2000	.17
581-TAJB475K020	TAJB475K020R	4.7	B	.44	.39	.36	2000	.19
581-TAJC106K020	TAJC106K020R	10	C	.76	.67	.62	500	.33
581-TAJD226K020	TAJD226K020R	22	D	1.34	1.17	1.09	500	.59
25 Volt 10% Tolerance								
581-TAJA474K025	TAJA474K025R	0.47	A	.80	.70	.65	2000	.35
581-TAJA105K025	TAJA105K025R	1	A	.33	.29	.27	2000	.15
581-TAJB225K025	TAJB225K025R	2.2	B	.44	.39	.36	2000	.19
581-TAJC475K025	TAJC475K025R	4.7	C	.74	.65	.60	500	.32
581-TAJC106K025	TAJC106K025R	10	C	.85	.75	.69	500	.37
35 Volt 10% Tolerance								
581-TAJA104K035	TAJA104K035R	0.1	A	.80	.70	.65	2000	.35
581-TAJA474K035	TAJA474K035R	0.47	A	.80	.70	.65	2000	.35
581-TAJB105K035	TAJB105K035R	1	B	.44	.39	.36	2000	.19
581-TAJB225K035	TAJB225K035R	2.2	B	.53	.46	.43	2000	.23
581-TAJC225K035	TAJC225K035R	2.2	C	.74	.65	.60	500	.32
581-TAJD475K035	TAJD475K035R	4.7	D	1.28	1.12	1.04	500	.56
581-TAJD106K035	TAJD106K035R	10	D	1.34	1.17	1.09	500	.59
50 Volt 10% Tolerance								
581-TAJA104K050	TAJA104K050R	0.1	A	.80	.70	.65	2000	.35

VISHAY SOLID TANTALUM CHIP CAPACITORS

- Features:**
- Compatible with "High Volume" automatic pick and place equipment.
 - Optical character recognition qualified
 - Meets IEC Specification QC300801/US0001 and EIA 535BAAC
 - Molded case available in six case sizes
 - Operating temperature: -55°C to +85°C
 - Capacitance tolerance: ±10%



Code	EIA Code	L	W	H	P	Tw	Th
A	3216	3.2 ± .20 (.126 ± .008)	1.6 ± .20 (.063 ± .008)	1.6 ± .20 (.063 ± .008)	.80 ± .30 (.031 — .012)	1.2 ± .10 (.047 ± .004)	.70 (.28)
B	3528	3.5 ± .20 (.138 ± .008)	2.8 ± .20 (.110 ± .008)	1.9 ± .20 (.075 ± .008)	.80 ± .30 (.031 ± .012)	2.2 ± .10 (.087 ± .004)	.70 (.28)
C	6032	6.0 ± .30 (.236 ± .012)	3.2 ± .30 (.126 ± .012)	2.5 ± .30 (.098 ± .012)	1.3 ± .30 (.051 ± .012)	2.2 ± .10 (.087 ± .004)	1.0 (.39)
D	7343	7.3 ± .30 (.287 ± .012)	4.3 ± .30 (.170 ± .012)	2.8 ± .30 (.110 ± .012)	1.3 ± .30 (.051 ± .012)	2.4 ± .10 (.095 ± .004)	1.0 (.39)

For quantities greater than listed, call for quote.

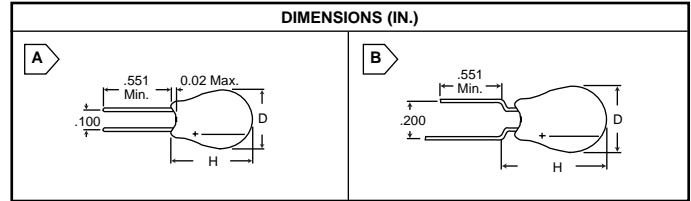
MOUSER STOCK NO.	VISHAY Part Number	Value (µF)	Case Size	Price Each			Tape and Reel	
				1	100	200	Qty.	Price/Each
6.3 Volt								
74-293D6.3V10	293D106X96R3B2T	10	B	.43	.38	.36	2000	.19
74-293D6.3V22	293D226X96R3C2T	22	C	.67	.60	.56	500	.52
74-293D6.3V68	293D686X96R3D2T	68	D	1.18	1.05	.99	500	.92
74-293D6.3V100	293D107X96R3D2T	100	D	1.18	1.05	.99	500	.92
10 Volt								
74-293D10V2.2	293D225X9010A2T	2.2	A	.32	.28	.27	2000	.14
74-293D10V4.7	293D475X9010A2T	4.7	A	.32	.28	.27	2000	.14
74-293D10V10A	293D106X9010A2T	10	A	.37	.32	.30	2000	.16
74-293D10V15	293D156X9010C2T	15	C	.67	.60	.56	500	.52
74-293D10V22	293D226C9010C2T	22	C	.67	.60	.56	500	.52
74-293D10V47	293D476X9010D2T	47	D	1.18	1.05	.99	500	.92
74-293D10V100D	293D107X9010D2T	100	D	1.44	1.28	1.20	500	1.12
16 Volt								
74-293D16V1.0	293D105X9016A2T	1	A	.32	.28	.27	2000	.14
74-293D16V4.7	293D475X9016B2T	4.7	B	.43	.38	.36	2000	.19
74-293D16V10B	293D106X9016B2T	10	B	.48	.43	.40	2000	.21
74-293D16V22B	293D226X9016B2T	22	B	.68	.61	.57	2000	.30
74-293D16V22C	293D226X9016C2T	22	C	.73	.65	.61	500	.57
74-293D16V47D	293D476X9016D2T	47	D	1.18	1.05	.99	500	.92
74-293D16V68D	293D686X9016D2T	68	D	1.44	1.28	1.20	500	1.12
20 Volt								
74-293D20V1.0	293D105X9020A2T	1	A	.32	.28	.27	2000	.14
74-293D20V3.3	293D335X9020B2T	3.3	B	.43	.38	.36	2000	.19
74-293D20V22	293D226X9020D2T	22	D	1.18	1.05	.99	500	.92
74-293D20V33	293D336X9020D2T	33	D	1.18	1.05	.99	500	.92
25 Volt								
74-293D25V1.0	293D105X9025A2T	1	A	.34	.30	.29	2000	.15
74-293D25V4.7	293D475X9025C2T	4.7	C	.67	.60	.56	500	.52
74-293D25V10C	293D106X9025C2T	10	C	.73	.65	.61	500	.57
74-293D25V15	293D156X9025D2T	15	D	.90	.80	.75	500	.70
74-293D25V22	293D226X9025D2T	22	D	1.18	1.05	.99	500	.92
35 Volt								
74-293D35V1.0	293D105X9035B2T	1	B	.43	.38	.36	2000	.19
74-293D35V2.2	293D225X9035C2T	2.2	C	.67	.60	.56	500	.52
74-293D35V4.7	293D475X9035D2T	4.7	D	1.18	1.05	.99	500	.92
74-293D35V6.8	293D685X9035D2T	6.8	D	1.18	1.05	.99	500	.92
74-293D35V10	293D106X9035D2T	10	D	1.18	1.05	.99	500	.92
50 Volt								
74-293D50V1.0	293D105X9050C2T	1	C	.67	.60	.56	500	.52
74-293D50V2.2	293D225X9050D2T	2.2	D	1.18	1.05	.99	500	.92
74-293D50V3.3	293D335X9050D2T	3.3	D	1.18	1.05	.99	500	.92
74-293D50V4.7	293D475X9050D2T	4.7	D	1.18	1.05	.99	500	.92

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

TAP SERIES EPOXY DIPPED RADIAL TANTALUM CAPACITORS

TAP is a professional grade device manufactured with a flame retardant coating and featuring low "leakage current and impedance, very small physical sizes and exceptional temperature stability." It is designed and conditioned to operate to +125°C. Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

TAP types are all offered on radial tape, in reel format for use on high speed radial automatic insertion equipment, or performing machines. The tape format is compatible with EIA 468A standard for component taping set out by major manufacturers of radial automatic insertion equipment.



Value (µF)	Fig.	Dimensions (In.)			Tolerance	MOUSER STOCK NO.		Bulk Price Each				MOUSER STOCK NO.		Reel Quantity	Price per Piece
		D	H	LS		Mfr.	Mfr. Part No.	1	100	500	1000	Mfr.	Mfr. Part No.		
6.3 Volt (8V Surge)															
6.8	A	0.18	0.28	.10	±10%	581	TAP685K006SCS	.40	.26	.24	.23	581	TAP685K006SRW	1500	.22
10	A	0.18	0.3	.10	±10%	581	TAP106K006SCS	.50	.33	.30	.28	581	TAP106K006SRW	1250	.27
22	A	0.2	0.35	.10	±10%	581	TAP226K006SCS	.66	.44	.40	.37	581	TAP226K006SRW	1250	.36
33	A	0.22	0.35	.10	±10%	581	TAP336K006SCS	.71	.47	.42	.40	581	TAP336K006SRW	1000	.40
47	A	0.24	0.39	.10	±10%	581	TAP476K006SCS	.78	.52	.47	.44	581	TAP476K006SRW	1000	.44
68	A	0.26	0.39	.10	±10%	581	TAP686K006SCS	.93	.62	.56	.53	581	TAP686K006SRW	750	.55
100	A	0.28	0.41	.10	±10%	581	TAP107K006SCS	2.22	1.48	1.33	1.26	581	TAP107K006SRW	750	1.30
150	B	0.33	0.49	.20	±10%	581	TAP157K006CCS	2.85	1.90	1.74	1.62	581	TAP157K006CRW	1500	1.57
10 Volt (13V Surge)															
3.3	A	0.18	0.28	.10	±10%	581	TAP335K010SCS	.40	.26	.24	.23	581	TAP335K010SRW	1500	.22
4.7	A	0.18	0.28	.10	±10%	581	TAP475K010SCS	.40	.26	.24	.23	581	TAP475K010SRW	1500	.22
6.8	A	0.18	0.28	.10	±10%	581	TAP685K010SCS	.56	.37	.33	.31	581	TAP685K010SRW	1250	.30
10	A	0.2	0.28	.10	±10%	581	TAP106K010SCS	.56	.37	.33	.31	581	TAP106K010SRW	1250	.30
15	A	0.2	0.28	.10	±10%	581	TAP156K010SCS	.66	.44	.40	.37	581	TAP156K010SRW	1250	.36
22	A	0.22	0.28	.10	±10%	581	TAP226K010SCS	.75	.50	.45	.43	581	TAP226K010SRW	1000	.43
33	A	0.24	0.28	.10	±10%	581	TAP336K010SCS	.87	.58	.52	.49	581	TAP336K010SRW	1000	.49
47	A	0.26	0.28	.10	±10%	581	TAP476K010SCS	1.53	1.02	.92	.87	581	TAP476K010SRW	750	.90
68	A	0.28	0.28	.10	±10%	581	TAP686K010SCS	2.22	1.48	1.33	1.26	581	TAP686K010SRW	750	1.29
100	B	0.33	0.28	.20	±10%	581	TAP107K010CCS	2.85	1.90	1.71	1.62	581	TAP107K010CRW	500	1.71
150	B	0.35	0.28	.20	±10%	581	TAP157K010CCS	5.64	3.76	3.38	3.20	581	TAP157K010CRW	500	3.38
220	B	0.39	0.28	.20	±10%	581	TAP227K010CCS	6.96	4.64	4.18	3.94	581	TAP227K010CRW	500	4.18
16 Volt (20V Surge)															
2.2	A	0.18	0.28	.10	±10%	581	TAP225K016SCS	.40	.26	.24	.23	581	TAP225K016SRW	1500	.22
3.3	A	0.18	0.28	.10	±10%	581	TAP335K016SCS	.40	.26	.24	.23	581	TAP335K016SRW	1500	.22
4.7	A	0.18	0.3	.10	±10%	581	TAP475K016SCS	.50	.33	.30	.28	581	TAP475K016SRW	1250	.27
6.8	A	0.2	0.33	.10	±10%	581	TAP685K016SCS	.59	.39	.35	.33	581	TAP685K016SRW	1250	.32
10	A	0.2	0.35	.10	±10%	581	TAP106K016SCS	.60	.40	.36	.34	581	TAP106K016SRW	1250	.33
15	A	0.22	0.35	.10	±10%	581	TAP156K016SCS	.80	.53	.48	.45	581	TAP156K016SRW	1000	.45
22	A	0.24	0.39	.10	±10%	581	TAP226K016SCS	.80	.53	.48	.45	581	TAP226K016SRW	1000	.45
33	A	0.24	0.39	.10	±10%	581	TAP336K016SCS	1.53	1.02	.92	.87	581	TAP336K016SRW	1000	.87
47	A	0.31	0.45	.10	±10%	581	TAP476K016SCS	2.36	1.57	1.41	1.34	581	TAP476K016SRW	750	1.38
68	A	0.35	0.49	.10	±10%	581	TAP686K016SCS	2.85	1.90	1.71	1.62	581	TAP686K016SRW	1500	1.57
100	B	0.35	0.63	.20	±10%	581	TAP107K016CCS	6.06	4.04	3.64	3.43	581	TAP107K016CRW	500	3.64
20 Volt (25V Surge)															
2.2	A	0.18	0.28	.10	±10%	581	TAP225K020SCS	.46	.30	.27	.26	581	TAP225K020SRW	1500	.25
10	A	0.22	0.35	.10	±10%	581	TAP106K020SCS	.75	.50	.45	.43	581	TAP106K020SRW	1000	.43
15	A	0.24	0.39	.10	±10%	581	TAP156K020SCS	.81	.54	.49	.46	581	TAP156K020SRW	1000	.46
22	A	0.28	0.41	.10	±10%	581	TAP226K020SCS	1.50	1.00	.90	.85	581	TAP226K020SRW	1500	.82
33	A	0.31	0.45	.10	±10%	581	TAP336K020SCS	2.16	1.44	1.30	1.22	581	TAP336K020SRW	1500	1.18
47	B	0.33	0.55	.20	±10%	581	TAP476K020CCS	2.67	1.78	1.60	1.51	581	TAP476K020CRW	500	1.60
68	B	0.35	0.63	.20	±10%	581	TAP686K020CCS	6.06	4.04	3.64	3.43	581	TAP686K020CRW	1500	3.33
100	B	0.35	0.63	.20	±10%	581	TAP107K020CCS	6.96	4.64	4.18	3.94	581	TAP107K020CRW	500	4.18
25 Volt (32V Surge)															
1	A	0.18	0.28	.10	±10%	581	TAP105K025SCS	.40	.26	.24	.23	581	TAP105K025SRW	1500	.22
1.5	A	0.18	0.28	.10	±10%	581	TAP155K025SCS	.40	.26	.24	.23	581	TAP155K025SRW	1500	.22
2.2	A	0.18	0.28	.10	±10%	581	TAP225K025SCS	.50	.33	.30	.28	581	TAP225K025SRW	1500	.27
3.3	A	0.18	0.3	.10	±10%	581	TAP335K025SCS	.50	.33	.30	.28	581	TAP335K025SRW	1250	.27
4.7	A	0.2	0.33	.10	±10%	581	TAP475K025SCS	.59	.39	.35	.33	581	TAP475K025SRW	1250	.32
6.8	A	0.2	0.35	.10	±10%	581	TAP685K025SCS	.80	.53	.48	.45	581	TAP685K025SRW	1250	.44
10	A	0.22	0.35	.10	±10%	581	TAP106K025SCS	.80	.53	.48	.45	581	TAP106K025SRW	1000	.45
15	A	0.24	0.39	.10	±10%	581	TAP156K025SCS	1.70	1.13	1.02	.96	581	TAP156K025SRW	1000	.96
22	A	0.28	0.41	.10	±10%	581	TAP226K025SCS	2.22	1.48	1.33	1.26	581	TAP226K025SRW	750	1.30
33	A	0.31	0.45	.10	±10%	581	TAP336K025SCS	2.84	1.89	1.70	1.61	581	TAP336K025SRW	1500	1.56
47	B	0.35	0.57	.20	±10%	581	TAP476K025CCS	4.29	2.86	2.57	2.43	581	TAP476K025CRW	500	2.57
35 Volt (44V Surge)															
0.1	A	0.18	0.28	.10	±10%	581	TAP104K035SCS	.40	.26	.24	.23	581	TAP104K035SRW	1500	.22
0.15	A	0.18	0.28	.10	±10%	581	TAP154K035SCS	.40	.26	.24	.23	581	TAP154K035SRW	1500	.22
0.22	A	0.18	0.28	.10	±10%	581	TAP224K035SCS	.40	.26	.24	.23	581	TAP224K035SRW	1500	.22
0.33	A	0.18	0.28	.10	±10%	581	TAP334K035SCS	.40	.26	.24	.23	581	TAP334K035SRW	1500	.22
0.47	A	0.18	0.28	.10	±10%	581	TAP474K035SCS	.40	.26	.24	.23	581	TAP474K035SRW	1500	.22
0.68	A	0.18	0.28	.10	±10%	581	TAP684K035SCS	.40	.26	.24	.23	581	TAP684K035SRW	1500	.22
1	A	0.18	0.28	.10	±10%	581	TAP105K035SCS	.40	.26	.24	.23	581	TAP105K035SRW	1500	.22
1.5	A	0.18	0.28	.10	±10%	581	TAP155K035SCS	.46	.30	.27	.26	581	TAP155K035SRW	1500	.25
2.2	A	0.18	0.3	.10	±10%	581	TAP225K035SCS	.52	.34	.31	.29	581	TAP225K035SRW	1250	.28
3.3	A	0.2	0.33	.10	±10%	581	TAP335K035SCS	.62	.41	.37	.35	581	TAP335K035SRW	1250	.33
4.7	A	0.22	0.35	.10	±10%	581	TAP475K035SCS	.66	.44	.40	.37	581	TAP475K035SRW	1000	.37
6.8	A	0.24	0.39	.10	±10%	581	TAP685K035SCS	.77	.51	.46	.43	581	TAP685K035SRW	1000	.43
10	A	0.24	0.39	.10	±10%	581	TAP106K035SCS	1.28	.85	.77	.72	581	TAP106K035SRW	1000	.72
15	A	0.28	0.41	.10	±10%	581	TAP156K035SCS	2.67	1.78	1.60	1.51	581	TAP156K035SRW	750	1.56
22	A	0.33	0.49	.10	±10%	581	TAP226K035SCS	2.67	1.78	1.60	1.51	581	TAP226K035SRW	500	1.60
33	B	0.35	0.57	.20	±10%	581	TAP336K035SCS	4.68	3.12	2.81	2.65	581	TAP336K035CRW	500	2.81
47	B	0.35	0.63	.20	±10%	581	TAP476K035SCS	6.96	4.64	4.18	3.94	581	TAP476K035CRW	500	4.18
50 Volt (63V Surge)															
0.1	A	0.18	0.28	.10	±10%	581	TAP104K050SCS	.44	.30	.27	.25	581	TAP104K050SRW	1500	.24
0.22	A	0.18	0.28	.10	±10%	581	TAP224K050SCS	.44	.30	.27	.25	581	TAP224K050SRW	1500	.24
0.33	A	0.18	0.28	.10	±10%	581	TAP334K050SCS	.44	.30	.27	.25	581	TAP334K050SRW	1500	.24
0.47	A	0.18	0.28	.10	±10%	581									

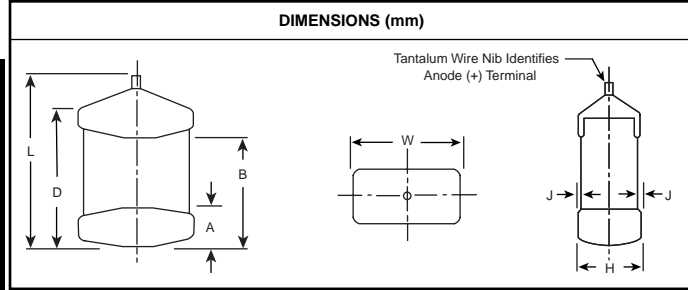
NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

595D SERIES SOLID TANTALUM CHIP CAPACITORS TANTAMOUNT®, LOW ESR

For quantities greater than listed, call for quote.

Specifications:

- Operating temperature range: -55°C to +85°C
- Capacitance range: 0.1µF to 15000µF
- Terminations: Tin (2) standard
- Voltage Rating: 4WVDC to 50 WVDC
- Low ESR



Case Code	L (Max.)	W	H	A	A	D (Ref.)	J (Ref.)
T	.087 (2.2)	.045 ± .010 (1.1 ± 0.3)	.045 ± .010 (1.1 ± 0.3)	.016 ± .008 (.4 ± 0.2)	.042 ± .010 (1.07 ± 0.25)	.063 (1.6)	.004 (0.1)
A	.146 (3.7)	.072 ± .010 (1.8 ± 0.3)	.056 ± .012 (1.4 ± 0.3)	.031 ± .012 (.08 ± .30)	.085 ± .015 (2.2 ± 0.4)	.115 (2.9)	.004 (0.1)
B	.158 (4.0)	.110 ± 0.10 - .016 (2.8 + 3 - 0.4)	.075 ± .012 - .025 (1.9 + 0.3 - 0.6)	.031 ± .012 (.80 ± .30)	.097 ± .015 (2.5 ± 0.4)	.138 (3.5)	.004 (0.1)
C	.281 (7.1)	.126 ± .010 (3.2 ± 0.3)	.098 ± .012 (2.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .025 (4.6 ± 0.6)	.236 (6.0)	.004 (0.1)
D	.293 (7.5)	.170 ± .010 (4.3 ± 0.3)	.110 ± .012 (2.8 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .025 (4.6 ± 0.6)	.253 (6.4)	.004 (0.1)
R	.283 (7.2)	.235 ± .010 (6.0 ± 0.3)	.136 ± .012 (3.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .025 (4.6 ± 0.6)	.243 (6.2)	.004 (0.1)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value µF	Tol.±	Case Code	Max. ESR @ +25°C, 100Hz	Price Each			
Mfr.	Mfr. Part No.				1	100	500	1000
4Volt (5.2V Surge)								
74 - 595D106X00042T	10	20%	T	7.80	2.02	1.52	1.14	1.01
74 - 595D336X9004A2T	33	10%	A	1.40	1.17	.88	.66	.58
74 - 595D107X9004B2T	100	10%	B	.45	1.45	1.09	.81	.72
74 - 595D157X9004B2T	150	10%	B	.45	1.45	1.09	.81	.72
74 - 595D227X9004D2T	270	10%	D	.14	2.66	1.99	1.49	1.33
74 - 595D397X9004D2T	390	10%	D	.13	3.17	2.38	1.78	1.59
74 - 595D477X9004C2T	470	10%	C	.16	2.23	1.67	1.26	1.12
74 - 595D687X9004D2T	680	10%	D	.13	3.17	2.38	1.78	1.59
74 - 595D108X9004R2T	1000	10%	R	.07	7.94	5.95	4.46	3.97
6.3Volt (8V Surge)								
74 - 595D685X96R3T2T	6.8	10%	T	8.50	2.02	1.52	1.14	1.01
74 - 595D156X96R3A2T	15	10%	A	1.70	1.06	.80	.60	.53
74 - 595D226X96R3A2T	22	10%	A	1.70	1.17	.88	.66	.58
74 - 595D226X96R3B2T	22	10%	B	.57	1.28	.96	.72	.64
74 - 595D336X96R3A2T	33	10%	A	1.70	1.17	.88	.66	.58
74 - 595D476X96R3A2T	47	10%	A	1.50	1.17	.88	.66	.58
74 - 595D686X06R3B2T	68	20%	B	.55	1.45	1.09	.81	.72
74 - 595D107X06R3C2T	100	20%	C	.20	1.87	1.40	1.05	.93
74 - 595D227X96R3C2T	220	10%	C	.18	2.23	1.67	1.26	1.12
74 - 595D227X96R3D2T	220	10%	D	.14	2.66	1.99	1.49	1.33
74 - 595D337X96R3D2T	330	10%	D	.14	3.17	2.38	1.78	1.59
74 - 595D397X06R3R2T	390	20%	R	.13	5.29	3.97	2.97	2.64
74 - 595D477X96R3D2T	470	10%	D	.13	3.17	2.38	1.78	1.59
74 - 595D477X96R3R2T	470	10%	R	.12	5.29	3.97	2.97	2.64
74 - 595D567X96R3R2T	560	10%	R	.11	6.36	4.77	3.58	3.18
74 - 595D687X06R3R2T	680	20%	R	.09	6.36	4.77	3.58	3.18
74 - 595D108X96R3R2T	1000	10%	R	.07	7.94	5.95	4.46	3.97
10Volt (13V Surge)								
74 - 595D225X0010T2T	2.2	20%	T	8.60	1.68	1.26	.95	.84
74 - 595D475X9010T2T	4.7	10%	T	8.60	2.02	1.52	1.14	1.01
74 - 595D106X9010A2T	10	10%	A	1.90	1.06	.80	.60	.53
74 - 595D106X0010A2T	10	20%	A	1.90	1.06	.80	.60	.53
74 - 595D156X9010A2T	15	10%	A	1.80	1.17	.88	.66	.58
74 - 595D226X9010A2T	22	10%	A	1.80	1.17	.88	.66	.58
74 - 595D476X0010B2T	47	20%	B	.65	1.45	1.09	.81	.72
74 - 595D686X9010C2T	68	10%	C	.24	1.87	1.40	1.05	.93
74 - 595D127X0010D2T	120	20%	D	.14	2.66	1.99	1.49	1.33
74 - 595D157X0010C2T	150	20%	C	.22	2.23	1.67	1.26	1.12
74 - 595D157X9010D2T	150	10%	D	.14	2.66	1.99	1.49	1.33
74 - 595D157X0010D2T	150	20%	D	.14	2.66	1.99	1.49	1.33
74 - 595D227X9010D2T	220	10%	D	.14	3.17	2.38	1.78	1.59
74 - 595D227X9010R2T	220	10%	R	.13	5.29	3.97	2.97	2.64
74 - 595D227X0010R2T	220	20%	R	.13	5.29	3.97	2.97	2.64
74 - 595D337X9010R2T	330	10%	R	.13	5.29	3.97	2.97	2.64
74 - 595D337X0010R2T	330	20%	R	.13	5.29	3.97	2.97	2.64

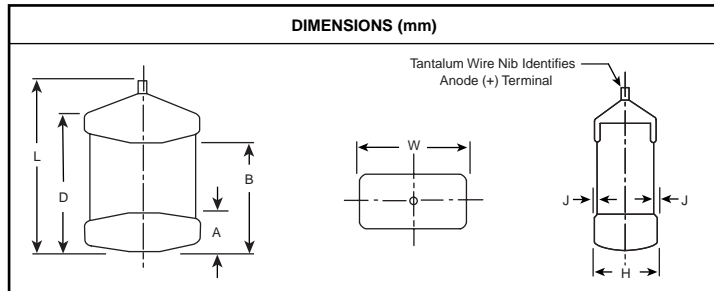
MOUSER STOCK NO.	Value µF	Tol.±	Case Code	Max. ESR @ +25°C, 100Hz	Price Each			
Mfr.	Mfr. Part No.				1	100	500	1000
10Volt (13V Surge) (cont.)								
74 - 595D397X9010R2T	390	10%	R	.12	6.36	4.77	3.58	3.18
74 - 595D477X9010R2T	470	10%	R	.12	6.36	4.77	3.58	3.18
16Volt (20V Surge)								
74 - 595D475X0016A2T	4.7	20%	A	2.90	1.06	.80	.60	.53
74 - 595D685X9016A2T	6.8	10%	A	2.80	1.06	.80	.60	.53
74 - 595D106X9016B2T	10	10%	B	.76	1.28	.96	.72	.64
74 - 595D156X9016B2T	15	10%	B	.75	1.28	.96	.72	.64
74 - 595D336X0016B2T	33	20%	B	.72	1.45	1.09	.81	.72
74 - 595D476X9016C2T	47	10%	C	.28	1.87	1.40	1.05	.93
74 - 595D476X0016C2T	47	20%	C	.28	1.87	1.40	1.05	.93
74 - 595D686X0016D2T	68	20%	D	.14	2.66	1.99	1.49	1.33
74 - 595D107X9016C2T	100	10%	C	.30	2.23	1.67	1.26	1.12
74 - 595D107X0016C2T	100	20%	C	.27	2.23	1.67	1.26	1.12
74 - 595D107X9016D2T	100	10%	D	.14	2.66	1.99	1.49	1.33
74 - 595D107X0016D2T	100	20%	D	.14	2.66	1.99	1.49	1.33
74 - 595D157X0016D2T	150	20%	D	.14	3.17	2.38	1.78	1.59
74 - 595D157X9016R2T	150	10%	R	.13	5.29	3.97	2.97	2.64
74 - 595D157X0016R2T	150	20%	R	.13	5.29	3.97	2.97	2.64
74 - 595D187X0016R2T	180	20%	R	.13	5.29	3.97	2.97	2.64
74 - 595D227X9016R2T	220	10%	R	.12	6.36	4.77	3.58	3.18
74 - 595D227X0016R2T	220	20%	R	.12	6.36	4.77	3.58	3.18
20 Volt (26V Surge)								
74 - 595D105X0020T2T	1	20%	T	9.00	1.68	1.26	.95	.84
74 - 595D225X9020A2T	2.2	10%	A	3.80	1.06	.80	.60	.53
74 - 595D335X9020A2T	3.3	10%	A	3.80	1.06	.80	.60	.53
74 - 595D475X9020A2T	4.7	10%	A	3.10	1.17	.88	.66	.58
74 - 595D475X0020B2T	4.7	20%	B	.95	1.28	.96	.72	.64
74 - 595D685X0020B2T	6.8	20%	B	.95	1.28	.96	.72	.64
74 - 595D106X9020B2T	10	10%	B	1.00	1.45	1.09	.81	.72
74 - 595D156X0020B2T	15	20%	B	1.00	1.45	1.09	.81	.72
74 - 595D226X9020C2T	22	10%	C	.38	1.87	1.40	1.05	.93
74 - 595D226X0020C2T	22	20%	C	.38	1.87	1.40	1.05	.93
74 - 595D476X9020C2T	47	10%	C	.35	2.23	1.67	1.26	1.12
74 - 595D476X0020D2T	47	10%	D	.19	2.66	1.99	1.49	1.33
74 - 595D107X9020D2T	100	10%	D	.18	3.17	2.38	1.78	1.59
74 - 595D107X0020D2T	100	20%	D	.18	3.17	2.38	1.78	1.59
74 - 595D107X9020R2T	100	10%	R	.14	5.29	3.97	2.97	2.64
74 - 595D107X0020R2T	100	20%	R	.14	5.29	3.97	2.97	2.64
74 - 595D127X9020R2T	120	10%	R	.14	5.29	3.97	2.97	2.64
74 - 595D127X0020R2T	120	20%	R	.14	5.29	3.97	2.97	2.64
74 - 595D157X9020R2T	150	10%	R	.14	6.36	4.77	3.58	3.18
74 - 595D157X0020R2T	150	20%	R	.14	6.36	4.77	3.58	3.18
25 Volt (32 V Surge)								
74 - 595D474X9025T2T	.47	10%	T	13.50	1.68	1.26	.95	.84
74 - 595D155X9025A2T	1.5	10%	A	3.80	1.06	.80	.60	.53
74 - 595D225X9025A2T	2.2	10%	A	3.80	1.17	.88	.66	.58
74 - 595D335X9025B2T	3.3	10%	B	1.90	1.28	.96	.72	.64
74 - 595D106X9025B2T	10	10%	B	1.50	1.45	1.09	.81	.72
74 - 595D106X9025C2T	10	10%	C	.57	1.87	1.40	1.05	.93
74 - 595D106X0025C2T	10	20%	C	.57	1.87	1.40	1.05	.93
74 - 595D156X9025C2T	15	10%	C	.56	1.87	1.40	1.05	.93
74 - 595D226X9025D2T	22	10%	D	.28	2.66	1.99	1.49	1.33
74 - 595D336X9025D2T	33	10%	D	.27	2.66	1.99	1.49	1.33
74 - 595D336X0025D2T	33	20%	D	.27	2.66	1.99	1.49	1.33
74 - 595D476X9025D2T	47	10%	D	.26	3.17	2.38	1.78	1.59
74 - 595D476X9025R2T	47	10%	R	.20	5.29	3.97	2.97	2.64
74 - 595D686X9025R2T	68	10%	R	.20	5.29	3.97	2.97	2.64
74 - 595D686X0025R2T	68	20%	R	.20	5.29	3.97	2.97	2.64
74 - 595D107X9025R2T	100	10%	R	.20	6.36	4.77	3.58	3.18
74 - 595D107X0025R2T	100	20%	R	.20	6.36	4.77	3.58	3.18

594D SERIES SOLID TANTALUM CHIP CAPACITORS TANTAMOUNT®, LOW ESR, MAXIMUM CV

Specifications:

- Operating Temperature Range: -55°C to +85°C
- Capacitance Range: 0.10µF to 15000µF

- Terminations: Tin (2) standard
- Voltage Rating: 4WVDC to 50 WVDC
- Low ESR

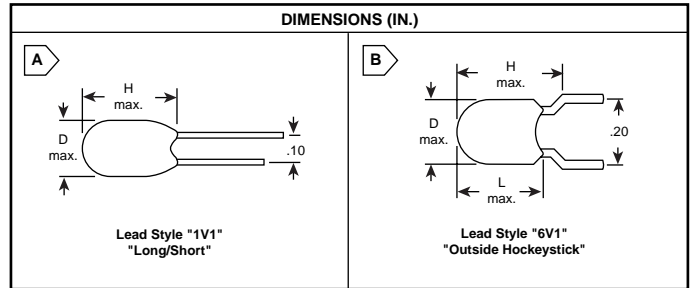


Case Code	L (Max.)	W	H	A	A	D (Ref.)	J (Ref.)
B	.158 (4.0)	.110 ± 0.10 (2.8 + 3 - 0.4)	.075 ± .012 (1.9 + 0.3 - 0.6)	.031 ± .012 (.80 ± .30)	.097 ± .015 (2.5 ± 0.4)	.138 (3.5)	.004 (0.1)
C	.281 (7.1)	.126 ± .010 (3.2 ± 0.3)	.098 ± .012 (2.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .025 (4.6 ± 0.6)	.236 (6.0)	.004 (0.1)
D	.293 (7.5)	.170 ± .010 (4.3 ± 0.3)	.110 ± .012 (2.8 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .025 (4.6 ± 0.6)	.253 (6.4)	.004 (0.1)
R	.283 (7.2)	.235 ± .010 (6.0 ± 0.3)	.136 ± .012 (3.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .025 (4.6 ± 0.6)	.243 (6.2)	.004 (0.1)

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	WVDC	Value µF	Tol.±	Case Code	Max. ESR @ +25°C, 100Hz	Price Each		
							1	100	500
74	594D477X9004C2T	4	470	10%	C	0.075	2.51	1.88	1.41
74	594D107X06R3B2T	6.3	100	20%	B	0.25	1.64	1.23	.92
74	594D108X06R3R2T	6.3	1000	20%	R	0.03	8.68	6.51	4.88
74	594D108X96R3R2T	6.3	1000	10%	R	0.03	8.68	6.51	4.88
74	594D127X06R3C2T	6.3	120	20%	C	0.085	2.08	1.56	1.17
74	594D127X96R3C2T	6.3	120	10%	C	0.085	2.08	1.56	1.17
74	594D226X96R3B2T	6.3	22	10%	B	0.38	1.53	1.15	.86
74	594D227X96R3D2T	6.3	220	10%	D	0.065	2.95	2.21	1.66
74	594D337X06R3D2T	6.3	330	20%	D	0.06	3.98	2.99	2.24
74	594D337X96R3D2T	6.3	330	10%	D	0.06	3.98	2.99	2.24
74	594D397X96R3R2T	6.3	390	10%	R	0.045	6.60	4.95	3.71
74	594D477X06R3R2T	6.3	470	20%	R	0.05	6.60	4.95	3.71
74	594D477X96R3D2T	6.3	470	10%	D	0.06	3.98	2.99	2.24
74	594D107X0010C2T	10	100	20%	C	0.095	2.08	1.56	1.17
74	594D157X0010C2T	10	150	20%	C	0.09	2.51	1.88	1.41
74	594D157X0010D2T	10	150	20%	D	0.075	2.95	2.21	1.66
74	594D157X9010C2T	10	150	10%	C	0.09	2.51	1.88	1.41
74	594D157X9010D2T	10	150	10%	D	0.075	2.95	2.21	1.66
74	594D227X0010D2T	10	220	20%	D	0.065	3.98	2.99	2.24
74	594D227X9010D2T	10	220	10%	D	0.065	3.98	2.99	2.24
74	594D337X0010R2T	10	330	20%	R	0.045	6.60	4.95	3.71
74	594D337X9010R2T	10	330	10%	R	0.045	6.60	4.95	3.71
74	594D476X0010B2T	10	47	20%	B	0.40	1.64	1.23	.92
74	594D686X0010C2T	10	68	20%	C	0.10	2.08	1.56	1.17
74	594D686X9010C2T	10	68	10%	C	0.10	2.08	1.56	1.17
74	594D107X0016C2T	16	100	20%	C	0.08	2.51	1.88	1.41
74	594D107X0016D2T	16	100	20%	D	0.075	2.95	2.21	1.66
74	594D107X0016E2T	16	100	10%	C	0.08	2.51	1.88	1.41
74	594D107X9016D2T	16	100	10%	D	0.075	2.95	2.21	1.66
74	594D187X0016R2T	16	180	20%	R	0.055	6.60	4.95	3.71
74	594D187X9016R2T	16	180	10%	R	0.055	6.60	4.95	3.71
74	594D227X0016R2T	16	220	20%	R	0.055	7.91	5.93	4.45
74	594D227X9016R2T	16	220	10%	R	0.055	7.91	5.93	4.45
74	594D336X0016C2T	16	33	20%	C	0.15	2.08	1.56	1.17
74	594D336X9016C2T	16	33	10%	C	0.15	2.08	1.56	1.17
74	594D476X0016C2T	16	47	20%	C	0.11	2.08	1.56	1.17
74	594D127X0020R2T	20	120	20%	R	0.08	6.60	4.95	3.71
74	594D226X0020C2T	20	22	20%	C	0.15	2.08	1.56	1.17
74	594D226X9020C2T	20	22	10%	C	0.15	2.08	1.56	1.17
74	594D476X0020D2T	20	47	20%	D	0.095	2.95	2.21	1.66
74	594D476X9020D2T	20	47	10%	D	0.095	2.95	2.21	1.66
74	594D107X0025R2T	25	100	20%	R	0.09	7.91	5.93	4.45
74	594D156X0025C2T	25	15	20%	C	0.22	2.08	1.56	1.17
74	594D336X0025D2T	25	33	20%	D	0.13	2.95	2.21	1.66
74	594D336X9025D2T	25	33	10%	D	0.13	2.95	2.21	1.66
74	594D686X9025R2T	25	68	10%	R	0.095	6.60	4.95	3.71
74	594D156X0035D2T	35	15	20%	D	0.27	2.95	2.21	1.66
74	594D156X9035D2T	35	15	10%	D	0.27	2.95	2.21	1.66
74	594D336X0035R2T	35	33	20%	R	0.2	6.60	4.95	3.71
74	594D336X9035R2T	35	33	10%	R	0.2	6.60	4.95	3.71
74	594D686X0035C2T	35	6.8	20%	C	0.43	2.08	1.56	1.17
74	594D156X0050R2T	50	15	20%	R	0.35	7.26	5.45	4.09
74	594D156X9050R2T	50	15	10%	R	0.35	7.26	5.45	4.09
74	594D475X0050C2T	50	4.7	20%	C	1.00	2.29	1.72	1.29
74	594D686X0050D2T	50	6.8	20%	D	0.45	3.24	2.43	1.82

TYPE 199D SOLID TANTALUM CAPACITORS



Solid-Electrolyte TANTALEX® Capacitors Resin-Coated, Radial-Lead

Economy and high performance are combined in the Type 199D resin-coated, radial-lead, solid-electrolyte TANTALEX® capacitor. These are rugged, reliable capacitors featuring low leakage current and low dissipation factor.

Performance Characteristics:

- Operating temperature: -55°C to +85°C
- Capacitance tolerance: ±10%
- Lead size: 24AWG, .010 nom. dia.
- Dissipation factor: +25°C
- DC leakage current (DCL max.): @ +25°C; leakage current shall not exceed the values listed in the Standard Ratings Tables

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (µF)	Dimen. (In.)		Price Each		
				D Max.	H Max.	1	25	100
6.3 Volt (8V Surge)								
74-199D6.3V10	199D106X96R3B1V1	A	10	.196	.300	.50	.44	.33
74-199D6.3V33	199D336X96R3C1V1	A	33	.216	.360	.71	.63	.47
74-199D6.3V47	199D476X96R3D1V1	A	47	.236	.400	.79	.70	.52
74-199D6.3V68	199D686X96R3D1V1	A	68	.236	.400	.93	.83	.62
74-199D6.3V100	199D107X96R3D1V1	A	100	.236	.400	2.29	2.04	1.52
74-199D6.3V150	199D157X96R3E6V1	B	150	.340	.552	3.63	3.26	2.90
10 Volt (13V Surge)								
74-199D10V10	199D106X9010B1V1	A	10	.196	.300	.56	.50	.37
74-199D10V22	199D226X9010C1V1	A	22	.216	.360	.74	.66	.49
74-199D10V33	199D336X9010D1V1	A	33	.236	.400	.87	.77	.57
74-199D10V100	199D107X9010E1V1	A	100	.340	.552	2.98	2.65	1.97
74-199D10V220	199D227X9010F6V1	B	220	.380	.710	7.29	6.49	4.82
16 Volt (20V Surge)								
74-199D16V3.3	199D335X90106A1V1	A	3.3	.177	.280	.40	.36	.27
74-199D16V6.8	199D685X9016B1V1	A	6.8	.196	.300	.59	.52	.39
74-199D16V10	199D106X9016C1V1	A	10	.216	.360	.65	.58	.43
74-199D16V15	199D156X9016C1V1	A	15	.216	.360	1.05	.95	.84
74-199D16V22	199D226X9016D1V1	A	22	.236	.400	.81	.72	.53
74-199D16V33	199D336X9016D1V1	A	33	.236	.400	1.55	1.38	1.06
74-199D16V47	199D476X9016E6V1	B	47	.340	.552	2.45	2.18	1.62
74-199D16V68	199D686X9016E6V1	B	68	.340	.552	2.98	2.65	1.97
74-199D16V100	199D107X9016F6V1	B	100	.380	.710	6.36	5.66	4.20
20 Volt (25V Surge)								
74-199D20V2.2	199D225X9020A1V1	A	2.2	.177	.280	.47	.41	.31
74-199D20V10	199D106X9020C1V1	A	10	.216	.360	.78	.69	.51
74-199D20V15	199D156X9020D1V1	A	15	.236	.400	.84	.75	.55
74-199D20V22	199D226X9020D1V1	A	22	.236	.400	1.55	1.38	1.03
25 Volt (32V Surge)								
74-199D25V1.5	199D155X9025A1V1	A	1.5	.177	.280	.40	.36	.27
74-199D25V2.2	199D225X9025A1V1	A	2.2	.177	.280	.40	.36	.27
74-199D25V3.3	199D335X9025B1V1	A	3.3	.196	.300	.50	.44	.33
74-199D25V4.7	199D475X9025B1V1	A	4.7	.196	.300	.59	.52	.39
74-199D25V6.8	199D685X9025C1V1	A	6.8	.216	.360	.81	.72	.53
74-199D25V10	199D106X9025C1V1	A	10	.216	.360	.81	.72	.53
74-199D25V15	199D156X9025D1V1	A	15	.236	.400	1.71	1.52	1.13
74-199D25V22	199D226X9025D1V1	A	22	.236	.400	2.29	2.04	1.52
74-199D25V33	199D336X9025E6V1	B	33	.340	.552	2.91	2.59	1.93
74-199D25V68	199D686X9025F6V1	B	68	.380	.710	7.29	6.49	4.82
35 Volt (44V Surge)								
74-199D35V0.1	199D104X9035A1V1	A	0.1	.177	.280	.40	.36	.27
74-199D35V0.15	199D154X9035A1V1	A	0.15	.177	.280	.40	.36	.27
74-199D35V0.22	199D224X9035A1V1	A	0.22	.177	.280	.40	.36	.27
74-199D35V0.47	199D474X9035A1V1	A	0.47	.177	.280	.40	.36	.27
74-199D35V0.68	199D684X9035A1V1	A	0.68	.177	.280	.40	.36	.27
74-199D35V1.0	199D105X9035A1V1	A	1.0	.177	.280	.40	.36	.27
74-199D35V1.5	199D155X9035A1V1	A	1.5	.177	.280	.47	.41	.31
74-199D35V2.2	199D225X9035B1V1	A	2.2	.196	.300	.53	.47	.35
74-199D35V3.3	199D335X9035B1V1	A	3.3	.196	.300	.62	.55	.41
74-199D35V4.7	199D475X9035C1V1	A	4.7	.216	.360	.71	.63	.47
74-199D35V10	199D106X9035D1V1	A	10	.236	.400	2.17	1.93	1.44
74-199D35V15	199D156X9035E6V1	B	15	.340	.492	2.79	2.48	1.85
74-199D35V22	199D226X9035E6V1	B	22	.340	.492	2.79	2.48	1.85
74-199D35V33	199D336X9035F6V1	B	33	.380	.650	4.96	4.42	3.28
50 Volt (63V Surge)								
74-199D50V0.1	199D104X9050A1V1	A	0.1	.177	.280	.45	.40	.30
74-199D50V0.22	199D224X9050A1V1	A	0.22	.177	.280	.63	.56	.50
74-199D50V0.33								

TYPE 173D SOLID TANTALUM CAPACITORS

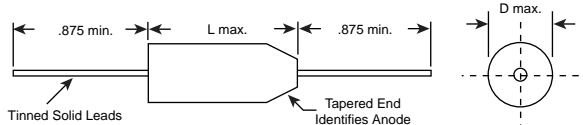
Improved Type 173D molded case axial-lead TANTALEX® capacitors are designed for high performance automotive, industrial and commercial electronic equipment. Precision molded in gold colored, flame retardant, thermosetting epoxy resin, units are laser marked for improved legibility, while the tapered end of the case provides easy identification of the positive terminal.

- Operating temperature: -55°C to +85°C
- Capacitance tolerance: ±10%

Case Size	D (Max.)	L (Max.)	Lead Diameter
U	.095	.260	.020
V	.110	.290	.020
W	.180	.345	.020
X	.180	.420	.020
Y	.280	.550	.025

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-173D6V68	173D686X9006X	6	68	X	1.43	1.19	1.07	.86
74-173D10V10	173D106X9010V	10	10	V	.56	.46	.42	.33
74-173D10V22	173D226X9010W	10	22	W	1.08	.90	.81	.65
74-173D15V2.2	173D225X9015U	15	2.2	U	.50	.42	.38	.30
74-173D15V6.8	173D685X9015V	15	6.8	V	.62	.52	.47	.37
74-173D15V15	173D156X9015W	15	15	W	1.08	.90	.81	.65
74-173D15V22	173D226X9015X	15	22	X	1.26	1.05	.94	.75
74-173D15V33	173D336X9015X	15	33	X	1.43	1.19	1.07	.86
74-173D20V1.0	173D105X9020U	20	1.0	U	.50	.42	.38	.30
74-173D20V4.7	173D475X9020V	20	4.7	V	.62	.52	.47	.37
74-173D20V22	173D226X9020X	20	22	X	1.43	1.19	1.07	.86
74-173D20V100	173D107X9020Y	20	100	Y	6.99	5.83	5.24	4.19
74-173D25V1.0	173D105X9025U	25	1.0	U	.50	.42	.38	.30
74-173D25V2.2	173D225X9025V	25	2.2	V	.62	.52	.47	.37
74-173D25V3.3	173D335X9025V	25	3.3	V	.62	.52	.47	.37
74-173D25V6.8	173D685X9025W	25	6.8	W	1.08	.90	.81	.65
74-173D25V10	173D106X9025W	25	10	W	1.08	.90	.81	.65
74-173D25V12	173D126X9025X	25	12	X	1.43	1.19	1.07	.86



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-173D25V15	173D156X9025X	25	15	X	1.43	1.19	1.07	.86
74-173D25V47	173D476X9025Y	25	47	Y	4.92	4.10	3.69	2.95
74-173D35V0.1	173D104X9035U	35	0.1	U	.50	.42	.38	.30
74-173D35V0.33	173D334X9035U	35	0.33	U	.50	.42	.38	.30
74-173D35V0.47	173D474X9035U	35	0.47	U	.50	.42	.38	.30
74-173D35V1.0	173D105X9035V	35	1.0	V	.56	.46	.42	.33
74-173D35V1.5	173D155X9035V	35	1.5	V	.62	.52	.47	.37
74-173D35V2.2	173D225X9035W	35	2.2	W	1.08	.90	.81	.65
74-173D35V3.3	173D335X9035W	35	3.3	W	1.08	.90	.81	.65
74-173D35V4.7	173D475X9035W	35	4.7	W	1.08	.90	.81	.65
74-173D35V6.8	173D685X9035X	35	6.8	X	1.26	1.05	.94	.75
74-173D35V10	173D106X9035X	35	10	X	1.43	1.19	1.07	.86
74-173D35V22	173D226X9035Y	35	22	Y	3.69	3.08	2.77	2.21
74-173D35V47	173D476X9035Y	35	47	Y	6.99	5.83	5.24	4.19
74-173D50V0.1	173D104X9050U	50	0.1	U	.57	.47	.43	.34
74-173D50V0.22	173D224X9050U	50	0.22	U	.57	.47	.43	.34
74-173D50V0.47	173D474X9050V	50	0.47	V	.65	.55	.49	.39
74-173D50V1.0	173D105X9050V	50	1.0	V	.76	.63	.57	.46
74-173D50V2.2	173D225X9050W	50	2.2	W	1.22	1.02	.92	.73
74-173D50V4.7	173D475X9050X	50	4.7	X	1.73	1.44	1.29	1.04

Tantalum Capacitors

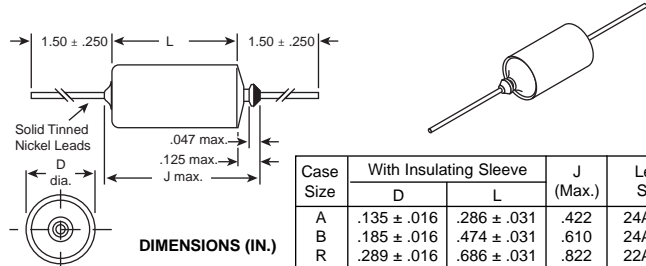
Vishay

TYPE 150D SOLID TANTALUM CAPACITORS

High performance, hermetically-sealed Type 150D TANTALEX capacitors are furnished in four case codes and are supplied with plastic-film insulation. Terminals are axial solid tinned nickel wire leads. The Military equivalent to the 150D is the CSR13 which is qualified to MIL-C-39003/01.

- Operating temperature: -55°C to +85°C
- Dissipation factor: @120Hz, +25°C
- Capacitance tolerance: ±10%
- Life test: 2000 hours @ 85°C

MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-150D6V47	150D476X9006B2	6	47	B	1.73	1.55	1.38	1.21
74-150D10V4.7	150D475X9010A2	10	4.7	A	1.38	1.24	1.10	.96
74-150D10V33	150D336X9010B2	10	33	B	1.73	1.55	1.38	1.21
74-150D10V39	150D396X9010B2	10	39	B	1.73	1.55	1.38	1.21
74-150D10V100	150D107X9010R2	10	100	R	3.95	3.56	3.16	2.77
74-150D15V3.3	150D335X9015A2	15	3.3	A	1.38	1.24	1.10	.96
74-150D15V22	150D226X9015B2	15	22	B	1.73	1.55	1.38	1.21
74-150D15V150	150D157X9015S2	15	150	S	9.75	8.78	7.80	6.83
74-150D20V2.2	150D225X9020A2	20	2.2	A	1.38	1.24	1.10	.96
74-150D20V10	150D106X9020B2	20	10	B	1.73	1.55	1.38	1.21
74-150D20V15	150D156X9020B2	20	15	B	1.73	1.55	1.38	1.21
74-150D20V39	150D396X9020R2	20	39	R	3.95	3.56	3.16	2.77
74-150D20V47	150D476X9020R2	20	47	R	3.95	3.56	3.16	2.77
74-150D20V68	150D686X9020S2	20	68	S	9.75	8.78	7.80	6.83
74-150D20V100	150D107X9020S2	20	100	S	9.75	8.78	7.80	6.83
74-150D35V0.01	150D103X9035A2	35	0.01	A	8.75	7.88	7.00	6.13
74-150D35V0.1	150D104X9035A2	35	0.1	A	8.75	7.88	7.00	6.13
74-150D35V0.22	150D224X9035A2	35	0.22	A	1.38	1.24	1.10	.96
74-150D35V0.33	150D334X9035A2	35	0.33	A	1.38	1.24	1.10	.96
74-150D35V0.47	150D474X9035A2	35	0.47	A	1.38	1.24	1.10	.96
74-150D35V1.0	150D105X9035A2	35	1.0	A	1.38	1.24	1.10	.96
74-150D35V2.2	150D225X9035B2	35	2.2	B	1.78	1.55	1.38	1.21
74-150D35V3.3	150D335X9035B2	35	3.3	B	1.78	1.55	1.38	1.21



Case Size	With Insulating Sleeve		J (Max.)	Lead Size
	D	L		
A	.135 ± .016	.286 ± .031	.422	24AWG
B	.185 ± .016	.474 ± .031	.610	24AWG
R	.289 ± .016	.686 ± .031	.822	22AWG
S	.351 ± .016	.786 ± .031	.922	22AWG

MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-150D35V4.7	150D475X9035B2	35	4.7	B	1.73	1.55	1.38	1.21
74-150D35V6.8	150D685X9035B2	35	6.8	B	1.73	1.55	1.38	1.21
74-150D35V10	150D106X9035R2	35	10	R	3.95	3.56	3.16	2.77
74-150D35V15	150D156X9035R2	35	15	R	3.95	3.56	3.16	2.77
74-150D35V22	150D226X9035R2	35	22	R	3.95	3.56	3.16	2.77
74-150D35V33	150D336X9035S2	35	33	S	9.75	8.78	7.80	6.83
74-150D35V39	150D396X9035S2	35	39	S	9.75	8.78	7.80	6.83
74-150D35V47	150D476X9035S2	35	47	S	9.75	8.78	7.80	6.83
74-150D50V0.1	150D104X9050A2	50	0.1	A	1.45	1.31	1.16	1.02
74-150D50V0.47	150D474X9050A2	50	0.47	A	1.45	1.31	1.16	1.02
74-150D50V1.0	150D105X9050A2	50	1.0	A	1.45	1.31	1.16	1.02
74-150D50V3.3	150D335X9050B2	50	3.3	B	1.80	1.62	1.44	1.26
74-150D50V4.7	150D475X9050B2	50	4.7	B	1.80	1.62	1.44	1.26
74-150D50V10	150D106X9050R2	50	10	R	4.13	3.71	3.30	2.89
74-150D50V15	150D156X9050R2	50	15	R	4.13	3.71	3.30	2.89
74-150D50V22	150D226X9050S2	50	22	S	10.25	9.23	8.20	7.18

TYPE 109D WET TANTALUM CAPACITORS

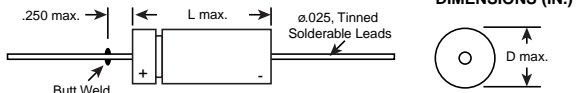
109D series fills the basic requirements for applications in the industrial, automotive, and telecommunications design field. Meets the requirements of Military Specification, MIL-C 39006, Style CLR65 (E Seal).

- Operating temperature: -55°C to +85°C
- Capacitance tolerance: ±10%

Case Size	With Plastic-Film Insulating Sleeve		Lead Length ± .250
	D ± 0.016 (Max.)	L (Max.)	
C	.203 + .031	.515	1.500
F	.296 + .031	.703	2.250
T	.390 + .031	.828	2.250

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (µF)	Case Size	Price Each			
					1	20	100	200
74-109D10V120	109D127X9010C2	10	120	C	21.28	20.67	20.06	19.46
74-109D10V470	109D477X9010F2	10	470	F	26.83	26.06	25.29	24.53
74-109D15V100	109D107X9015C2	15	100	C	18.01	17.49	16.98	16.46
74-109D15V390	109D397X9015F2	15	390	F	21.28	19.46	18.24	17.63
74-109D15V820	109D827X9015F2	15	820	F	26.83	26.06	25.29	24.53
74-109D25V560	109D567X9025T2	25	560	T	37.07	36.01	34.95	33.89



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (µF)	Case Size	Price Each			
					1	20	100	200
74-109D30V220	109D227X9030F2	30	220	F	21.28	20.67	20.06	19.46
74-109D50V10	109D106X							

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

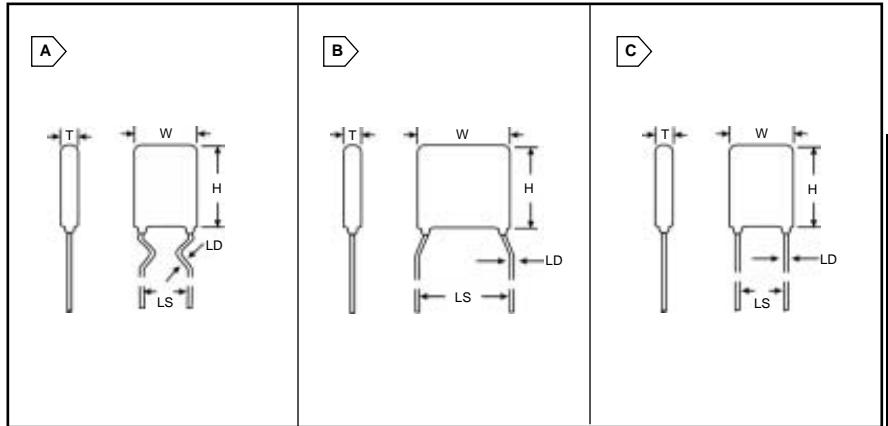
AVX SKYCAP® SR SERIES RADIAL MONOLITHIC CERAMIC CAPACITORS

Specifications:

- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: COG (NPO), X7R, Z5U
- Case Material: Epoxy
- Lead Material: Solderable

DIMENSIONS mm (IN.)

AVX Style	SR15	SR20	SR21	SR22	SR27	SR30
(W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)
(H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)
(T) Thickness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)
(L.S.) Lead Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)
(L.D.) Lead Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)



Ceramic Capacitors

NPO For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pf)	Tolerance	Price Each			
					1	100	500	1000
50 Volts								
581-SR215A102J	SR215A102JAA	A	1000	5%	.36	.30	.24	.19
581-SR215A102K	SR215A102KAA	A	1000	10%	.29	.24	.20	.16
581-SR215A391J	SR215A391JAA	A	390	5%	.33	.27	.22	.17
581-SR215A221K	SR215A221KAA	A	220	10%	.26	.21	.17	.14
581-SR215A151J	SR215A151JAA	A	150	5%	.33	.27	.22	.17
581-SR215A270J	SR215A270JAA	A	27	5%	.33	.27	.22	.17
581-SR215A180J	SR215A180JAA	A	18	5%	.26	.21	.17	.14
581-SR275A100J	SR275A100JAA	B	10	5%	.33	.27	.22	.17
100 Volts								
581-SR301A223J	SR301A223JAA	C	22000	5%	1.64	1.31	1.09	.87
581-SR301A183J	SR301A183JAA	C	18000	5%	1.46	1.16	.97	.78
581-SR301A103J	SR301A103JAA	C	10000	5%	.80	.64	.53	.42
581-SR301A822J	SR301A822JAA	C	8200	5%	1.06	.84	.70	.56
581-SR301A682J	SR301A682JAA	C	6800	5%	1.06	.84	.70	.56
581-SR201A562J	SR201A562JAA	C	5600	5%	.80	.64	.53	.43
581-SR201A472J	SR201A472JAA	C	4700	5%	.76	.61	.51	.40
581-SR211A472J	SR211A472JAA	A	4700	5%	.76	.63	.51	.40
581-SR211A472K	SR211A472KAA	A	4700	10%	.58	.49	.39	.31
581-SR201A332J	SR201A332JAA	C	3300	5%	.72	.58	.48	.39
581-SR201A222J	SR201A222JAA	C	2200	5%	.66	.52	.44	.35
581-SR211A222J	SR211A222JAA	A	2200	5%	.66	.52	.44	.35
581-SR201A182J	SR201A182JAA	C	1800	5%	.62	.49	.41	.33
581-SR201A152J	SR201A152JAA	C	1500	5%	.55	.44	.36	.29
581-SR211A152J	SR211A152JAA	A	1500	5%	.66	.52	.44	.35
581-SR211A152K	SR211A152KAA	A	1500	10%	.33	.27	.22	.17
581-SR201A122J	SR201A122JAA	C	1200	5%	.40	.32	.27	.21
581-SR201A102J	SR201A102JAA	C	1000	5%	.19	.15	.12	.10
581-SR211A102J	SR211A102JAA	A	1000	5%	.17	.14	.11	.09
581-SR221A102J	SR221A102JAA	B	1000	5%	.45	.38	.30	.24
581-SR211A102K	SR211A102KAA	A	1000	10%	.29	.24	.20	.16
581-SR151A681J	SR151A681JAA	C	680	5%	.33	.26	.22	.17
581-SR211A681J	SR211A681JAA	A	680	5%	.33	.27	.22	.17
581-SR211A681K	SR211A681KAA	B	680	10%	.33	.27	.22	.17
581-SR211A471K	SR211A471KAA	B	570	10%	.33	.27	.22	.17
581-SR151A561J	SR151A561JAA	C	560	5%	.33	.27	.22	.17
581-SR211A561J	SR211A561JAA	A	560	5%	.33	.27	.22	.17
581-SR211A561K	SR211A561KAA	A	560	10%	.26	.21	.17	.14
581-SR151A471J	SR151A471JAA	C	470	5%	.29	.23	.19	.15
581-SR211A471J	SR211A471JAA	A	470	5%	.33	.27	.22	.17
581-SR211A471K	SR211A471KAA	B	470	5%	.41	.34	.27	.22
581-SR211A471K	SR211A471KAA	A	470	10%	.26	.21	.17	.14
581-SR151A391J	SR151A391JAA	C	390	5%	.26	.21	.17	.14
581-SR151A331J	SR151A331JAA	C	330	5%	.26	.21	.17	.14
581-SR211A331J	SR211A331JAA	A	330	5%	.33	.27	.22	.17
581-SR211A331J	SR211A331JAA	B	330	5%	.41	.34	.27	.22
581-SR151A271J	SR151A271JAA	C	270	5%	.26	.21	.17	.14
581-SR151A221J	SR151A221JAA	C	220	5%	.26	.21	.17	.14
581-SR211A221J	SR211A221JAA	A	220	5%	.33	.27	.22	.17
581-SR151A181J	SR151A181JAA	C	180	5%	.26	.21	.17	.14
581-SR211A181J	SR211A181JAA	A	180	5%	.33	.27	.22	.17
581-SR151A151J	SR151A151JAA	C	150	5%	.26	.21	.17	.14
581-SR151A121J	SR151A121JAA	C	120	5%	.26	.21	.17	.14
581-SR151A101J	SR151A101JAA	C	100	5%	.15	.12	.10	.08
581-SR211A101J	SR211A101JAA	A	100	5%	.33	.27	.22	.17
581-SR211A101K	SR211A101KAA	A	100	10%	.26	.21	.17	.14
581-SR151A820J	SR151A820JAA	C	82	5%	.23	.18	.15	.12
581-SR211A820J	SR211A820JAA	A	82	5%	.33	.27	.22	.17

NPO Cont. For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pf)	Tolerance	Price Each			
					1	100	500	1000
100 Volts (cont.)								
581-SR151A680J	SR151A680JAA	C	68	5%	.23	.18	.15	.12
581-SR211A680K	SR211A680KAA	A	68	10%	.23	.18	.15	.12
581-SR151A560J	SR151A560JAA	C	56	5%	.23	.18	.15	.12
581-SR211A560J	SR211A560JAA	A	56	5%	.33	.27	.22	.17
581-SR211A560K	SR211A560KAA	A	56	10%	.23	.19	.15	.12
581-SR151A470J	SR151A470JAA	C	47	5%	.23	.18	.15	.12
581-SR211A470J	SR211A470JAA	A	47	5%	.33	.27	.22	.17
581-SR211A470K	SR211A470KAA	A	47	10%	.23	.19	.15	.12
581-SR151A390J	SR151A390JAA	C	39	5%	.23	.18	.15	.12
581-SR151A330J	SR151A330JAA	C	33	5%	.23	.18	.15	.12
581-SR211A330J	SR211A330JAA	A	33	5%	.33	.27	.22	.17
581-SR151A270J	SR151A270JAA	C	27	5%	.23	.18	.15	.12
581-SR211A270J	SR211A270JAA	A	27	5%	.33	.27	.22	.17
581-SR151A220J	SR151A220JAA	C	22	5%	.23	.18	.15	.12
581-SR211A220J	SR211A220JAA	A	22	5%	.26	.21	.17	.14
581-SR221A220J	SR221A220JAA	B	22	5%	.33	.27	.21	.17
581-SR271A220K	SR271A220KAA	B	22	10%	.28	.24	.19	.15
581-SR151A180J	SR151A180JAA	C	18	5%	.23	.18	.15	.12
581-SR211A180J	SR211A180JAA	A	18	5%	.26	.21	.17	.14
581-SR151A150J	SR151A150JAA	C	15	5%	.23	.18	.15	.12
581-SR211A150J	SR211A150JAA	A	15	5%	.26	.21	.17	.14
581-SR211A150K	SR211A150KAA	A	15	10%	.19	.16	.13	.10
581-SR151A120J	SR151A120JAA	C	12	5%	.23	.18	.15	.12
581-SR211A120J	SR211A120JAA	A	12	5%	.26	.21	.17	.14
581-SR151A100J	SR151A100JAA	C	10	5%	.23	.18	.15	.12
581-SR211A100J	SR211A100JAA	A	10	5%	.26	.21	.17	.14
200 Volts								
581-SR222A101J	SR222A101JAA	B	100	5%	.41	.34	.27	.22
581-SR222A470J	SR222A470JAA	B	47	5%	.41	.34	.27	.22
581-SR222A330J	SR222A330JAA	B	33	5%	.41	.34	.27	.22
581-SR222A270J	SR222A270JAA	B	27	5%	.41	.34	.27	.22
581-SR222A150J	SR222A150JAA	B	15	5%	.41	.34	.27	.22
581-SR222A120J	SR222A120JAA	B	12	5%	.33	.27	.22	.17

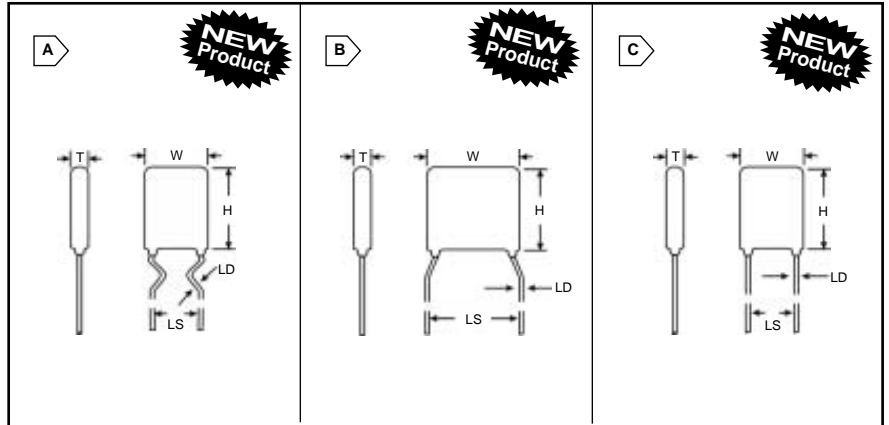
X7R For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pf)	Tolerance	Price Each			
					1	100	500	1000
50 Volts								
581-SR305C105K	SR305C105KAA	C	1.0uF	10%	1.05	.84	.70	.56
581-SR215C224K	SR215C224KAA	A	220000	10%	.33	.28	.22	.18
581-SR225C224K	SR225C224KAA	B	220000	10%	.80	.66	.53	.43
581-SR215C224M	SR215C224MAA	A	220000	20%	.62	.51	.41	.33
581-SR215C154J	SR215C154JAA	A	150000	5%	.72	.60	.48	.39
581-SR215C154K	SR215C154KAA	A	150000	10%	.52	.43	.35	.28
581-SR215C104J	SR215C104JAA	A	100000	5%	.41	.34	.27	.22
581-SR215C104K	SR215C104KAA	A	100000	10%	.14	.12	.09	.08
581-SR225C104K	SR225C104KAA	B	100000	10%	.34	.28	.23	.18
581-SR275C104K	SR275C104KAA	B	100000	10%	.34	.28	.23	.18
581-SR215C104M	SR215C104MAA	A	100000	20%	.26	.21	.17	.14
581-SR215C473J	SR215C473JAA	A	47000	5%	.38	.32	.25	.20
581-SR205C473K	SR205C473KAA	C	47000	10%	.28	.22	.18	.15
581-SR215C473K	SR215C473KAA	A	47000	10%	.26	.21	.17	.14
581-SR215C333K	SR215C333KAA	A	33000	10%	.24	.20	.16	.13
581-SR155C223K	SR155C223KAA	C	22000	10%	.18	.15	.12	.10
581-SR215C223K	SR215C223KAA	A	22000	10%	.24	.20	.16	.13
581-SR215C153K	SR215C153KAA	A	15000	1				

AVX SKYCAP® SR SERIES RADIAL MONOLITHIC CERAMIC CAPACITORS (CONT.)

Specifications:

- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: COG (NPO), X7R, Z5U
- Case Material: Epoxy
- Lead Material: Solderable



DIMENSIONS mm (IN.)

AVX Style	SR15	SR20	SR21	SR22	SR27	SR30
(W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)
(H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)
(T) Thickness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)
(L.S.) Lead Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)
(L.D.) Lead Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)

X7R Cont.

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pf)	Tolerance	Price Each			
					1	100	500	1000
581-SR215C103J	SR215C103JAA	A	10000	5%	.36	.30	.24	.19
581-SR215C103K	SR215C103KAA	A	10000	10%	.24	.20	.16	.13
581-SR225C103K	SR225C103KAA	B	10000	10%	.26	.22	.17	.14
581-SR275C103K	SR275C103KAA	B	10000	10%	.26	.22	.17	.14
581-SR215C103M	SR215C103MAA	A	10000	20%	.22	.18	.15	.12
581-SR215C682K	SR215C682KAA	A	6822	10%	.24	.20	.16	.13
581-SR215C222K	SR215C222KAA	A	2200	10%	.24	.20	.16	.13
100 Volts								
581-SR301C334K	SR301C334KAA	C	330000	10%	1.27	1.02	.85	.68
581-SR301C224K	SR301C224KAA	C	220000	10%	.82	.65	.55	.44
581-SR301C154K	SR301C154KAA	C	150000	10%	.72	.58	.48	.39
581-SR211C104J	SR211C104JAA	A	100000	5%	.44	.37	.29	.23
581-SR201C104K	SR201C104KAA	C	100000	10%	.18	.14	.12	.09
581-SR211C104K	SR211C104KAA	A	100000	10%	.16	.13	.11	.09
581-SR221C104K	SR221C104KAA	B	100000	10%	.36	.30	.24	.19
581-SR271C104K	SR271C104KAA	B	100000	10%	.36	.30	.24	.19
581-SR201C683K	SR201C683KAA	C	68000	10%	.30	.24	.20	.16
581-SR201C473K	SR201C473KAA	C	47000	10%	.27	.22	.18	.15
581-SR211C473K	SR211C473KAA	A	47000	10%	.27	.22	.18	.15
581-SR221C473K	SR221C473KAA	B	47000	10%	.34	.28	.23	.18
581-SR211C473M	SR211C473MAA	A	47000	20%	.26	.22	.17	.14
581-SR201C333K	SR201C333KAA	C	33000	10%	.26	.22	.17	.14
581-SR211C333K	SR211C333KAA	A	33000	10%	.26	.22	.17	.14
581-SR211C223J	SR211C223JAA	A	22000	5%	.38	.32	.26	.20
581-SR201C223K	SR201C223KAA	C	22000	10%	.26	.22	.17	.14
581-SR211C223K	SR211C223KAA	A	22000	10%	.26	.22	.17	.14
581-SR201C153K	SR201C153KAA	A	15000	10%	.26	.22	.17	.14
581-SR151C103K	SR151C103KAA	C	10000	10%	.13	.11	.09	.07
581-SR211C103K	SR211C103KAA	A	10000	10%	.12	.10	.08	.06
581-SR221C103K	SR221C103KAA	B	10000	10%	.26	.22	.17	.14
581-SR271C103K	SR271C103KAA	B	10000	10%	.36	.30	.24	.19
581-SR211C103M	SR211C103MAA	B	10000	20%	.26	.22	.17	.14
581-SR151C472K	SR151C472KAA	C	4700	10%	.20	.16	.13	.11
581-SR211C472K	SR211C472KAA	A	4700	10%	.24	.20	.16	.13
581-SR211C472M	SR211C472MAA	A	4700	20%	.20	.17	.13	.11
581-SR211C222J	SR211C222JAA	A	2200	5%	.33	.27	.22	.17
581-SR151C222K	SR151C222KAA	C	2200	10%	.18	.15	.12	.10
581-SR211C222K	SR211C222KAA	A	2200	10%	.24	.20	.16	.13
581-SR221C222K	SR221C222KAA	B	2200	10%	.27	.23	.18	.14
581-SR211C152J	SR211C152JAA	A	1500	5%	.33	.27	.22	.17
581-SR211C152K	SR211C152KAA	A	1500	10%	.24	.20	.16	.13

X7R Cont.

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pf)	Tolerance	Price Each			
					1	100	500	1000
581-SR211C102J	SR211C102JAA	A	1000	5%	.33	.27	.22	.17
581-SR211C103J	SR211C103JAA	A	10000	5%	.35	.29	.23	.18
581-SR211C102K	SR211C102KAA	A	1000	10%	.13	.11	.09	.07
581-SR221C102K	SR221C102KAA	B	1000	10%	.27	.23	.18	.14
581-SR211C471K	SR211C471KAA	A	470	10%	.24	.20	.16	.13
200 Volts								
581-SR152C102K	SR152C102KAA	C	1000	10%	.37	.29	.24	.20

Z5U

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Value (pf)	Tolerance	Price Each			
					1	100	500	1000
50 Volts								
581-SR215E105M	SR215E105MAA	A	1.0uF	20%	.35	.28	.23	.18
581-SR205E474M	SR205E474MAA	C	470000	20%	.35	.28	.23	.18
581-SR225E474M	SR225E474MAA	B	470000	20%	.43	.36	.29	.23
581-SR215E334M	SR215E334MAA	A	330000	20%	.22	.18	.14	.12
581-SR275E334M	SR275E334MAA	B	330000	20%	.36	.30	.24	.19
581-SR205E224M	SR205E224MAA	C	220000	20%	.25	.20	.17	.14
581-SR215E224M	SR215E224MAA	A	220000	20%	.25	.21	.17	.13
581-SR225E224M	SR225E224MAA	B	220000	20%	.31	.26	.21	.17
581-SR275E224M	SR275E224MAA	B	220000	20%	.31	.26	.21	.17
581-SR205E104M	SR205E104MAA	C	100000	20%	.08	.07	.06	.04
581-SR215E104M	SR215E104MAA	A	100000	20%	.09	.08	.07	.06
581-SR225E104M	SR225E104MAA	B	100000	20%	.22	.18	.14	.12
581-SR275E104M	SR275E104MAA	B	100000	20%	.22	.18	.14	.12
581-SR215E473M	SR215E473MAA	A	47000	20%	.22	.18	.14	.12
581-SR225E473M	SR225E473MAA	B	47000	20%	.23	.19	.15	.12
581-SR225E103M	SR225E103MAA	B	10000	20%	.23	.19	.15	.12
581-SR275E103M	SR275E103MAA	B	10000	20%	.23	.19	.15	.12
100 Volts								
581-SR301E105M	SR301E105MAA	C	1.0uF	20%	.63	.50	.42	.33
581-SR271E224M	SR271E224MAA	B	220000	20%	.53	.45	.36	.29
581-SR211E104M	SR211E104MAA	A	100000	20%	.15	.12	.10	.08
581-SR221E104M	SR221E104MAA	B	100000	20%	.30	.25	.20	.16
581-SR271E104M	SR271E104MAA	B	100000	20%	.30	.25	.20	.16
581-SR151E103M	SR151E103MAA	C	10000	20%	.17	.14	.12	.09
581-SR211E103M	SR211E103MAA	A	10000	20%	.18	.15	.12	.10
581-SR221E103M	SR221E103MAA	B	10000	20%	.23	.19	.15	.12
581-SR271E103M	SR271E103MAA	B	10000	20%	.23	.19	.15	.12

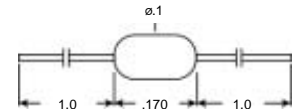
AVX SA SERIES AXIAL MONOLITHIC CERAMIC CAPACITORS

Parts packaged on tape. Full 7,500 piece reels available upon request.

Specifications:

- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: COG (NPO), X7R, Z5U
- Case Material: Epoxy (Flame Retardant to UL Bulletin 492, Par. 280)
- Lead Material: Solderable

DIMENSIONS (IN.)



NPO

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	WVDC	Value	Price Each			
			1	100	500	1000
Tolerance 5%						
581-SA102A100J	200	10pF	.13	.11	.10	.08
581-SA102A150J	200	15pF	.19	.16	.14	.13
581-SA102A220J	200	22pF	.13	.11	.10	.08
581-SA102A470J	200	47pF	.19	.16	.14	.13
581-SA102A560J	200	56pF	.19	.16	.14	.13
581-SA102A101J	200	100pF	.13	.11	.10	.08
581-SA101A221J	100	220pF	.20	.16	.15	.13
581-SA101A471J	100	470pF	.13	.11	.10	.08
581-SA101A561J	100	560pF	.20	.17	.15	.13
581-SA101A102J	100	1000pF	.23	.19	.17	.15

X7R

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	WVDC	Value	Price Each			
			1	100	500	1000
Tolerance 10%						
581-SA101C102K	100	1000pF	.08	.07	.06	.05
581-SA101C122K	100	1200pF	.18	.15	.13	.12
581-SA101C222K	100	2200pF	.18	.15	.13	.12
581-SA101C332K	100	3300pF	.18	.15	.13	.12
581-SA101C472K	100	4700pF	.09	.08	.07	.06
581-SA101C103K	100	.01uF	.09	.08	.07	.06
581-SA101C223K	100	.022uF	.39	.33	.29	.26
581-SA105C333K	50	.033uF	.23	.19	.17	.15

Z5U

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	WVDC	Value	Price Each			
			1	100	500	1000
20% Tolerance						
581-SA105E103M	50	.01uF	.08	.07	.06	.05
581-SA105E223M	50	.022uF	.14	.12	.11	.10
581-SA105E333M	50	.033uF	.14	.12	.11	.10
581-SA105E473M	50	.047uF	.14	.12	.11	.10
581-SA105E563M	50	.056uF	.14	.12	.11	.10
581-SA105E104M	50	.1uF	.08	.07	.06	.05
581-SA105E154M	50	.15uF	.21	.17	.16	.14
581-SA105E224M	50	.22uF	.28	.23	.21	.18

CERAMIC CHIP CAPACITORS

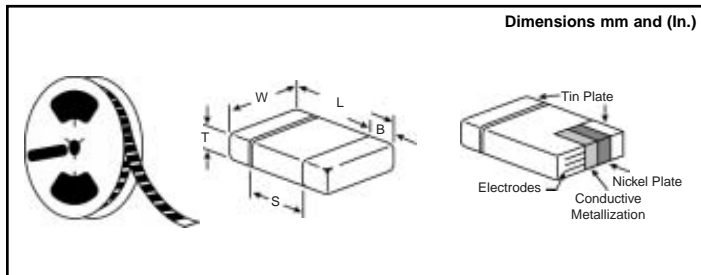
KEMET multilayer ceramic chip capacitors are produced in plants designed specifically for chip capacitors manufacture. The process features a high degree of mechanization as well as precise controls over raw materials and process conditions. Manufacturing is supplemented by extensive Technology, Engineering and Quality Assurance programs.

Features:

- COG (NPO), X7R, Z5U, AND Y5V Dielectrics
- 10, 16, 25, 50, 100 and 200 Volts
- Standard end metallization: Tin-plate over nickel barrier
- Available capacitance tolerances: ±0.10 pF; ±0.25 pF; ±0.5pF; ±1%; ±2%; ±10%; ±20%; and ±80%-20%

Application Note:

- A higher voltage capacitor may be used in a lower voltage application



Style	L	W	T	B	S
0402	1.0(.04)±0.05(.002)	0.5(.02)±0.05(.002)	0.55 (.022)	.20(.008)-0.40(.016)	0.3 (.012)
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7 (.028)
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)
1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

Style 0402

For quantities of 50,000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Tol.±	Volt	Value (PF)	1	100	Reel Qty.	Price Each
Temperature Coef: COG								
80-C0402C508C5G	C0402C508C5GACTU	0.25pF	50	0.5	.35	.23	10,000	.064
80-C0402C109C5G	C0402C109C5GACTU	0.25pF	50	1.0	.06	.04	10,000	.011
80-C0402C129C5G	C0402C129C5GACTU	0.25pF	50	1.2	.06	.04	10,000	.011
80-C0402C159C5G	C0402C159C5GACTU	0.25pF	50	1.5	.06	.04	10,000	.011
80-C0402C189C5G	C0402C189C5GACTU	0.25pF	50	1.8	.06	.04	10,000	.011
80-C0402C209C5G	C0402C209C5GACTU	0.25pF	50	2	.37	.24	10,000	.067
80-C0402C229C5G	C0402C229C5GACTU	0.25pF	50	2.2	.06	.04	10,000	.011
80-C0402C279C5G	C0402C279C5GACTU	0.25pF	50	2.7	.06	.04	10,000	.011
80-C0402C309C5G	C0402C309C5GACTU	0.25pF	50	3	.37	.24	10,000	.067
80-C0402C339C5G	C0402C339C5GACTU	0.25pF	50	3.3	.06	.04	10,000	.011
80-C0402C369C5G	C0402C369C5GACTU	0.25pF	50	3.6	.37	.24	10,000	.067
80-C0402C399C5G	C0402C399C5GACTU	0.25pF	50	3.9	.06	.04	10,000	.011
80-C0402C479C5G	C0402C479C5GACTU	0.25pF	50	4.7	.06	.04	10,000	.011
80-C0402C479D5G	C0402C479D5GACTU	2%	50	4.7	.31	.20	10,000	.056
80-C0402C519C5G	C0402C519C5GACTU	0.25pF	50	5.1	.41	.27	10,000	.073
80-C0402C569C5G	C0402C569C5GACTU	0.25pF	50	5.6	.06	.04	10,000	.011
80-C0402C689C5G	C0402C689C5GACTU	0.25pF	50	6.8	.06	.04	10,000	.012
80-C0402C689D5G	C0402C689D5GACTU	0.5pF	50	6.8	.31	.20	10,000	.056
80-C0402C829C5G	C0402C829C5GACTU	0.25pF	50	8.2	.07	.05	10,000	.013
80-C0402C100C5G	C0402C100C5GACTU	0.25pF	50	10	.66	.43	10,000	.119
80-C0402C100D5G	C0402C100D5GACTU	0.5pF	50	10	.31	.20	10,000	.056
80-C0402C100J5G	C0402C100J5GACTU	5%	50	10	.06	.04	10,000	.011
80-C0402C120C5G	C0402C120C5GACTU	0.25pF	50	12	.79	.51	10,000	.142
80-C0402C120J5G	C0402C120J5GACTU	5%	50	12	.06	.04	10,000	.011
80-C0402C150J5G	C0402C150J5GACTU	5%	50	15	.06	.04	10,000	.012
80-C0402C180J5G	C0402C180J5GACTU	5%	50	18	.06	.04	10,000	.011
80-C0402C200J5G	C0402C200J5GACTU	5%	50	20	.42	.27	10,000	.076
80-C0402C220J5G	C0402C220J5GACTU	5%	50	22	.06	.04	10,000	.012
80-C0402C240J5G	C0402C240J5GACTU	5%	50	24	.42	.27	10,000	.076
80-C0402C270J5G	C0402C270J5GACTU	5%	50	27	.06	.04	10,000	.011
80-C0402C330J5G	C0402C330J5GACTU	5%	50	33	.06	.04	10,000	.011
80-C0402C360J5G	C0402C360J5GACTU	5%	50	36	.42	.27	10,000	.076
80-C0402C390J5G	C0402C390J5GACTU	5%	50	39	.06	.04	10,000	.012
80-C0402C470J5G	C0402C470J5GACTU	5%	50	47	.06	.04	10,000	.011
80-C0402C560J5G	C0402C560J5GACTU	5%	50	56	.07	.04	10,000	.012
80-C0402C680J5G	C0402C680J5GACTU	5%	50	68	.06	.04	10,000	.012
80-C0402C220J3G	C0402C220J3GACTU	5%	25	22	.35	.23	10,000	.063
80-C0402C240J3G	C0402C240J3GACTU	5%	25	24	.42	.27	10,000	.076
80-C0402C330J3G	C0402C330J3GACTU	5%	25	33	.35	.23	10,000	.063
80-C0402C470J3G	C0402C470J3GACTU	5%	25	47	.35	.23	10,000	.063
80-C0402C820J3G	C0402C820J3GACTU	5%	25	82	.35	.23	10,000	.063
80-C0402C101J3G	C0402C101J3GACTU	5%	25	100	.06	.04	10,000	.011
80-C0402C101K3G	C0402C101K3GACTU	10%	25	100	.34	.22	10,000	.061
Temperature Coef: X7R								
80-C0402C151J5R	C0402C151J5RACTU	5%	50	150	.52	.34	10,000	.094
80-C0402C151K5R	C0402C151K5RACTU	10%	50	150	.37	.24	10,000	.067
80-C0402C181K5R	C0402C181K5RACTU	10%	50	180	.37	.24	10,000	.067
80-C0402C221J5R	C0402C221J5RACTU	5%	50	220	.54	.35	10,000	.097
80-C0402C221K5R	C0402C221K5RACTU	10%	50	220	.37	.24	10,000	.067
80-C0402C271J5R	C0402C271J5RACTU	5%	50	270	.52	.34	10,000	.094
80-C0402C271K5R	C0402C271K5RACTU	10%	50	270	.37	.24	10,000	.067
80-C0402C331J5R	C0402C331J5RACTU	5%	50	330	.52	.34	10,000	.094
80-C0402C331K5R	C0402C331K5RACTU	10%	50	330	.37	.24	10,000	.067
80-C0402C391J5R	C0402C391J5RACTU	5%	50	390	.52	.34	10,000	.094
80-C0402C391K5R	C0402C391K5RACTU	10%	50	390	.37	.24	10,000	.067
80-C0402C471J5R	C0402C471J5RACTU	5%	50	470	.52	.34	10,000	.094
80-C0402C471K5R	C0402C471K5RACTU	10%	50	470	.38	.25	10,000	.068
80-C0402C561J5R	C0402C561J5RACTU	5%	50	560	.52	.34	10,000	.094
80-C0402C561K5R	C0402C561K5RACTU	10%	50	560	.07	.05	10,000	.013
80-C0402C681J5R	C0402C681J5RACTU	5%	50	680	.52	.34	10,000	.094
80-C0402C681K5R	C0402C681K5RACTU	10%	50	680	.07	.05	10,000	.013
80-C0402C821K5R	C0402C821K5RACTU	10%	50	820	.07	.05	10,000	.013
80-C0402C102J5R	C0402C102J5RACTU	5%	50	1000	.49	.32	10,000	.088
80-C0402C102K5R	C0402C102K5RACTU	10%	50	1000	.06	.04	10,000	.011
80-C0402C122K5R	C0402C122K5RACTU	10%	50	1,200	.07	.04	10,000	.012
80-C0402C152J5R	C0402C152J5RACTU	5%	50	1,500	.52	.34	10,000	.094
80-C0402C152K5R	C0402C152K5RACTU	10%	50	1,500	.38	.25	10,000	.069
80-C0402C151J3R	C0402C151J3RACTU	5%	25	150	.52	.34	10,000	.094
80-C0402C102J3R	C0402C102J3RACTU	5%	25	1000	.49	.32	10,000	.088

Style 0402 (cont.)

For quantities of 50,000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Tol.±	Volt	Value (PF)	1	100	Reel Qty.	Price Each
Temperature Coef: X7R (cont.)								
80-C0402C102K3R	C0402C102K3RACTU	10%	25	1000	.35	.23	10,000	.063
80-C0402C222K3R	C0402C222K3RACTU	10%	25	2,200	.06	.04	10,000	.010
80-C0402C272J3R	C0402C272J3RACTU	5%	25	2,700	.52	.34	10,000	.094
80-C0402C272K3R	C0402C272K3RACTU	10%	25	2,700	.07	.04	10,000	.012
80-C0402C332K3R	C0402C332K3RACTU	10%	25	3,300	.07	.04	10,000	.012
80-C0402C392J3R	C0402C392J3RACTU	5%	25	3,900	.52	.34	10,000	.094
80-C0402C392K3R	C0402C392K3RACTU	10%	25	3,900	.07	.04	10,000	.012
80-C0402C472J3R	C0402C472J3RACTU	5%	25	4,700	.52	.34	10,000	.094
80-C0402C472K3R	C0402C472K3RACTU	10%	25	4,700	.07	.04	10,000	.012
80-C0402C562K3R	C0402C562K3RACTU	10%	25	5,600	.22	.14	10,000	.040
80-C0402C682J3R	C0402C682J3RACTU	5%	25	6,800	.52	.34	10,000	.094
80-C0402C682K3R	C0402C682K3RACTU	10%	25	6,800	.22	.14	10,000	.040
80-C0402C822K3R	C0402C822K3RACTU	10%	25	8,200	.22	.14	10,000	.040
80-C0402C103J3R	C0402C103J3RACTU	5%	25	10,000	.49	.32	10,000	.088
80-C0402C103K3R	C0402C103K3RACTU	10%	25	10,000	.06	.04	10,000	.011
80-C0402C332K4R	C0402C332K4RACTU	10%	16	3,300	.37	.24	10,000	.067
80-C0402C562J4R	C0402C562J4RACTU	5%	16	5,600	.52	.34	10,000	.094
80-C0402C822K4R	C0402C822K4RACTU	10%	16	8,200	.37	.24	10,000	.067
80-C0402C103J4R	C0402C103J4RACTU	5%	16	10,000	.49	.32	10,000	.088

Style 0603

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Tol.±	Volt	Value (PF)	1	100	Reel Qty.	Price Each
Temperature Coef: COG								
80-C0603C109C1G	C0603C109C1GACTU	0.25pF	100	1.0	.43	.28	4000	.077
80-C0603C189C1G	C0603C189C1GACTU	0.25pF	100	1.8	.43	.28	4000	.077
80-C0603C279C1G	C0603C279C1GACTU	0.25pF	100	2.7	.43	.28	4000	.077
80-C0603C120J1G	C0603C120J1GACTU	5%	100	12	.24	.16	4000	.043
80-C0603C180J1G	C0603C180J1GACTU	5%	100	18	.24	.16	4000	.043
80-C0603C270J1G	C0603C270J1GACTU	5%	100	27	.24	.16	4000	.043
80-C0603C330J1G	C0603C330J1GACTU	5%	100	33	.24	.16	4000	.043
80-C0603C390J1G	C0603C390J1GACTU	5%	100	39	.24	.16	4000	.043
80-C0603C470K1G	C0603C470K1GACTU	10%	100	47	.23	.15	4000	.041
80-C0603C470F1G	C0603C470F1GACTU	1%	100	47	1.69	1.10	4000	.304
80-C0603C680J1G	C0603C680J1GACTU	5%	100	68	.24	.16	4000	.043
80-C0603C101K1G	C0603C101K1GACTU	10%	100	100	.23	.15	4000	.041
80-C0603C101F1G	C0603C101F1GACTU	1%	100	100	1.69	1.10	4000	.304
80-C0603C151J1G	C0603C151J1GACTU	5%	100	150	.26	.17	4000	.047
80-C0603C181J1G	C0603C181J1GACTU	5%	100	180	.26	.17	4000	.047
80-C0603C100J5G	C0603C100J5GACTU	5%	50	10	.08	.05	4000	.015
80-C0603C220J5G	C0603C220J5GACTU	5%	50	22	.08	.05	4000	.015
80-C0603C270J5G	C0603C270J5GACTU	5%	50	27	.08	.05	4000	.015
80-C0603C470J5G	C0603C470J5GACTU	5%	50	47	.08	.05	4000	.015
80-C0603C101J5G	C0603C101J5GACTU	5%	50	100	.09	.06	4000	.015
80-C0603C271								

Dimensions mm and (In.)

KEMET CERAMIC CHIP CAPACITORS (CONTINUED)

Style	L	W	T	B	S
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)
1206	3.2(1.26)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

Style 0805

Please call a Mouser representative for information of product not listed.

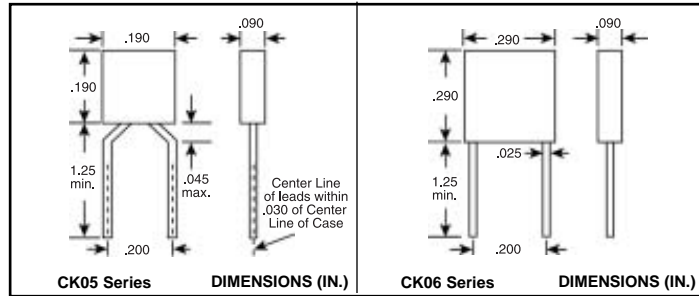
MOUSER STOCK NO.	Kemet Part No.	Tol.±	Volt	Value (PF)	1	100	Reel Qty.	Price Each
Temperature Coef: C0G								
80-C0805C109C1G	C0805C109C1GACTU	0.25pF	100	1.0	.40	.26	4000	.072
80-C0805C109D1G	C0805C109D1GACTU	0.5pF	100	1.0	.23	.15	4000	.041
80-C0805C159C1G	C0805C159C1GACTU	0.25pF	100	1.5	.40	.26	4000	.072
80-C0805C169C1G	C0805C169C1GACTU	0.25pF	100	1.6	.48	.31	4000	.086
80-C0805C229C1G	C0805C229C1GACTU	0.25pF	100	2.2	.40	.26	4000	.072
80-C0805C229D1G	C0805C229D1GACTU	0.5pF	100	2.2	.23	.15	4000	.041
80-C0805C279C1G	C0805C279C1GACTU	0.25pF	100	2.7	.40	.26	4000	.072
80-C0805C339D1G	C0805C339D1GACTU	0.5pF	100	3.3	.23	.15	4000	.041
80-C0805C399D1G	C0805C399D1GACTU	0.5pF	100	3.9	.23	.15	4000	.041
80-C0805C569C1G	C0805C569C1GACTU	0.25pF	100	5.6	.48	.31	4000	.086
80-C0805C689D1G	C0805C689D1GACTU	0.5pF	100	6.8	.23	.15	4000	.041
80-C0805C829C1G	C0805C829C1GACTU	0.25pF	100	8.2	.58	.38	4000	.104
80-C0805C100J1G	C0805C100J1GACTU	5%	100	10	.13	.08	4000	.023
80-C0805C100K1G	C0805C100K1GACTU	0.25pF	100	10	.69	.45	4000	.124
80-C0805C100L1G	C0805C100L1GACTU	0.5pF	100	10	.23	.15	4000	.041
80-C0805C150G1G	C0805C150G1GACTU	2%	100	15	.81	.53	4000	.146
80-C0805C270D1G	C0805C270D1GACTU	0.5pF	100	27	.92	.60	4000	.166
80-C0805C300J1G	C0805C300J1GACTU	5%	100	30	.28	.18	4000	.050
80-C0805C330J1G	C0805C330J1GACTU	5%	100	33	.23	.15	4000	.041
80-C0805C330G1G	C0805C330G1GACTU	2%	100	33	.81	.53	4000	.146
80-C0805C390K1G	C0805C390K1GACTU	10%	100	39	.22	.14	4000	.040
80-C0805C470J1G	C0805C470J1GACTU	5%	100	47	.13	.08	4000	.023
80-C0805C470F1G	C0805C470F1GACTU	1%	100	47	1.61	1.05	4000	.290
80-C0805C560F1G	C0805C560F1GACTU	1%	100	56	1.61	1.05	4000	.290
80-C0805C560G1G	C0805C560G1GACTU	2%	100	56	.81	.53	4000	.146
80-C0805C560K1G	C0805C560K1GACTU	10%	100	56	.22	.14	4000	.040
80-C0805C820F1G	C0805C820F1GACTU	1%	100	82	1.61	1.05	4000	.290
80-C0805C820K1G	C0805C820K1GACTU	10%	100	82	.22	.14	4000	.040
80-C0805C910J1G	C0805C910J1GACTU	5%	100	91	.28	.18	4000	.050
80-C0805C101J1G	C0805C101J1GACTU	5%	100	100	.14	.09	4000	.025
80-C0805C101G1G	C0805C101G1GACTU	2%	100	100	.81	.53	4000	.146
80-C0805C121F1G	C0805C121F1GACTU	1%	100	120	1.77	1.15	4000	.319
80-C0805C121K1G	C0805C121K1GACTU	10%	100	120	.24	.16	4000	.043
80-C0805C221F1G	C0805C221F1GACTU	1%	100	220	1.93	1.25	4000	.347
80-C0805C221G1G	C0805C221G1GACTU	2%	100	220	.97	.63	4000	.175
80-C0805C271F1G	C0805C271F1GACTU	1%	100	270	1.93	1.25	4000	.347
80-C0805C331J1G	C0805C331J1GACTU	5%	100	330	.18	.12	4000	.032
80-C0805C471J1G	C0805C471J1GACTU	5%	100	470	.22	.14	4000	.040
80-C0805C471F1G	C0805C471F1GACTU	1%	100	470	2.25	1.46	4000	.405
80-C0805C102G1G	C0805C102G1GACTU	2%	100	1000	1.29	.84	4000	.232
80-C0805C100J5G	C0805C100J5GACTU	5%	50	10	.10	.06	4000	.017
80-C0805C220J5G	C0805C220J5GACTU	5%	50	22	.10	.06	4000	.017
80-C0805C300J5G	C0805C300J5GACTU	5%	50	30	.24	.16	4000	.043
80-C0805C330J5G	C0805C330J5GACTU	5%	50	33	.10	.06	4000	.017
80-C0805C470J5G	C0805C470J5GACTU	5%	50	47	.10	.06	4000	.017
80-C0805C331J5G	C0805C331J5GACTU	5%	50	330	.13	.08	4000	.023
80-C0805C471J5G	C0805C471J5GACTU	5%	50	470	.15	.10	4000	.027
80-C0805C102J5G	C0805C102J5GACTU	5%	50	1000	.16	.10	4000	.029
Temperature Coef: X7R								
80-C0805C331K1R	C0805C331K1RACTU	10%	100	330	.38	.30	4000	.068
80-C0805C102K1R	C0805C102K1RACTU	10%	100	1000	.13	.10	4000	.023
80-C0805C222K1R	C0805C222K1RACTU	10%	100	2200	.18	.14	4000	.032
80-C0805C332K1R	C0805C332K1RACTU	10%	100	3300	.29	.23	4000	.052
80-C0805C472K1R	C0805C472K1RACTU	10%	100	4700	.29	.23	4000	.052
80-C0805C331K5R	C0805C331K5RACTU	10%	50	330	.33	.26	4000	.059
80-C0805C471K5R	C0805C471K5RACTU	10%	50	470	.09	.07	4000	.016
80-C0805C102J5R	C0805C102J5RACTU	5%	50	1000	.09	.07	4000	.016
80-C0805C102K5R	C0805C102K5RACTU	10%	50	1000	.07	.05	4000	.012
80-C0805C222K5R	C0805C222K5RACTU	10%	50	2200	.35	.28	4000	.045
80-C0805C332K5R	C0805C332K5RACTU	10%	50	3300	.25	.20	4000	.045
80-C0805C472K5R	C0805C472K5RACTU	10%	50	4700	.09	.08	4000	.014
80-C0805C103K5R	C0805C103K5RACTU	10%	50	10000	.07	.06	4000	.011
80-C0805C333J5R	C0805C333J5RACTU	5%	50	33000	.47	.38	4000	.085
80-C0805C333K5R	C0805C333K5RACTU	10%	50	33000	.31	.25	4000	.056
80-C0805C473K5R	C0805C473K5RACTU	10%	50	47000	.12	.10	4000	.022
80-C0805C104K5R	C0805C104K5RACTU	10%	50	100000	.18	.14	4000	.023
80-C0805C104K3R	C0805C104K3RACTU	10%	25	100000	.14	.11	4000	.020
80-C0805C334K3R	C0805C334K3RACTU	10%	25	330000	.89	.71	2500	.178
80-C0805C474K3R	C0805C474K3RACTU	10%	25	470000	1.05	.84	4000	.188
Temperature Coef: X7R								
80-C0805C334K4R	C0805C334K4RACTU	10%	16	330000	.81	.65	4000	.146
80-C0805C474K4R	C0805C474K4RACTU	10%	16	470000	.40	.32	4000	.072
Temperature Coef: Y5V								
80-C0805C105M4V	C0805C105M4VACTU	20%	16	1000000	.21	.17	4000	.038
Temperature Coef: Z5U								
80-C0805C103M5U	C0805C103M5UACTU	20%	50	10000	.10	.08	4000	.017
80-C0805C104M5U	C0805C104M5UACTU	20%	50	100000	.10	.08	4000	.020

Style 1206

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Tol.±	Volt	Value (PF)	1	100	Reel Qty.	Price Each
Temperature Coef: C0G								
80-C1206C220J1G	C1206C220J1GACTU	5%	100	22	.24	.19	4000	.043
80-C1206C101J1G	C1206C101J1GACTU	5%	100	100	.24	.19	4000	.043
80-C1206C201J1G	C1206C201J1GACTU	5%	100	200	.57	.45	4000	.102
80-C1206C331J1G	C1206C331J1GACTU	5%	100	330	.48	.39	4000	.087
80-C1206C102J1G	C1206C102J1GACTU	5%	1000	1000	.41	.33	4000	.074
80-C1206C109D5G	C1206C109D5GACTU	0.5pF	50	1.0	.45	.38	4000	.068
80-C1206C159C5G	C1206C159C5GACTU	0.25pF	50	1.5	.75	.63	4000	.119
80-C1206C209C5G	C1206C209C5GACTU	0.25pF	50	2	.95	.79	4000	.143
80-C1206C279C5G	C1206C279C5GACTU	0.25pF	50	2.7	.75	.63	4000	.119
80-C1206C309D5G	C1206C309D5GACTU	0.5pF	50	3	.51	.42	4000	.082
80-C1206C399C5G	C1206C399C5GACTU	0.25pF	50	3.9	.75	.63	4000	.119
80-C1206C479K5G	C1206C479K5GACTU	10%	50	4.7	.51	.42	4000	.081
80-C1206C509D5G	C1206C509D5GACTU	0.5pF	50	5	.95	.79	4000	.149
80-C1206C569J5G	C1206C569J5GACTU	5%	50	5.6	.85	.71	4000	.132
80-C1206C689C5G	C1206C689C5GACTU	0.25pF	50	6.8	1.01	.84	4000	.153
80-C1206C759C5G	C1206C759C5GACTU	0.25pF	50	7.5	1.30	1.08	4000	.202
80-C1206C829J5G	C1206C829J5GACTU	5%	50	8.2	.56	.46	4000	.085
80-C1206C100J5G	C1206C100J5GACTU	5%	50	10	.16	.12	4000	.028
80-C1206C100C5G	C1206C100C5GACTU	0.25pF	50	10	1.30	1.08	4000	.202
80-C1206C200J5G	C1206C200J5GACTU	5%	50	20	.45	.36	4000	.082
80-C1206C220J5G	C1206C220J5GACTU	5%	50	22	.16	.12	4000	.028
80-C1206C270F5G	C1206C270F5GACTU	1%	50	27	3.17	2.64	4000	.476
80-C1206C330J5G	C1206C330J5GACTU	5%	50	33	.16	.12	4000	.028
80-C1206C330G5G	C1206C330G5GACTU	2%	50	33	1.50	1.25	4000	.238
80-C1206C390F5G	C1206C390F5GACTU	1%	50	39	3.17	2.64	4000	.476
80-C1206C390K5G	C1206C390K5GACTU	10%	50	39	.40	.33	4000	.064
80-C1206C470J5G	C1206C470J5GACTU	5%	50	47	.16	.12	4000	.028
80-C1206C470F5G	C1206C470F5GACTU	1%	50	47	3.17	2.64	4000	.476
80-C1206C510F5G	C1206C510F5GACTU	1%	50	51	3.17	2.64	4000	.476
80-C1206C560F5G	C1206C560F5GACTU	1%	50	56	3.17	2.64	4000	.476
80-C1206C680F5G	C1206C680F5GACTU	1%	50	68	3.17	2.64	4000	.476
80-C1206C680G5G	C1206C680G5GACTU	2%	50	68	1			

CK SERIES, CERAMIC MOLDED RADIALS, 10% TOLERANCE



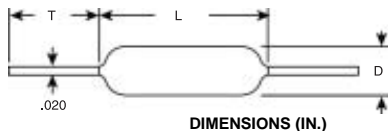
CK05 Series

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Price Each			
				1	10	100	200
80-CK05BX100K	C052K100K2X5CA	10	200	.30	.24	.19	.15
80-CK05BX120K	C052K120K2X5CA	12	200	.30	.24	.19	.15
80-CK05BX150K	C052K150K2X5CA	15	200	.30	.24	.19	.15
80-CK05BX180K	C052K180K2X5CA	18	200	.30	.24	.19	.15
80-CK05BX220K	C052K220K2X5CA	22	200	.30	.24	.19	.15
80-CK05BX270K	C052K270K2X5CA	27	200	.30	.24	.19	.15
80-CK05BX330K	C052K330K2X5CA	33	200	.30	.24	.19	.15
80-CK05BX390K	C052K390K2X5CA	39	200	.30	.24	.19	.15
80-CK05BX470K	C052K470K2X5CA	47	200	.30	.24	.19	.15
80-CK05BX560K	C052K560K2X5CA	56	200	.30	.24	.19	.15
80-CK05BX680K	C052K680K2X5CA	68	200	.30	.24	.19	.15
80-CK05BX820K	C052K820K2X5CA	82	200	.30	.24	.19	.15
80-CK05BX101K	C052K101K2X5CA	100	200	.30	.24	.19	.15
80-CK05BX121K	C052K121K2X5CA	120	200	.30	.24	.19	.15
80-CK05BX151K	C052K151K2X5CA	150	200	.30	.24	.19	.15
80-CK05BX181K	C052K181K2X5CA	180	200	.30	.24	.19	.15
80-CK05BX221K	C052K221K2X5CA	220	200	.30	.24	.19	.15
80-CK05BX271K	C052K271K2X5CA	270	200	.30	.24	.19	.15
80-CK05BX331K	C052K331K2X5CA	330	200	.30	.24	.19	.15
80-CK05BX391K	C052K391K2X5CA	390	200	.30	.24	.19	.15
80-CK05BX471K	C052K471K2X5CA	470	200	.30	.24	.19	.15
80-CK05BX561K	C052K561K2X5CA	560	200	.30	.24	.19	.15
80-CK05BX681K	C052K681K2X5CA	680	200	.30	.24	.19	.15
80-CK05BX821K	C052K821K2X5CA	820	200	.30	.24	.19	.15
80-CK05BX102K	C052K102K2X5CA	1000	200	.30	.24	.19	.15
80-CK05BX122K	C052K122K1X5CA	1200	100	.30	.24	.19	.15
80-CK05BX152K	C052K152K1X5CA	1500	100	.30	.24	.19	.15

C4XX SERIES, "AXIMAX" CONFORMALLY COATED AXIALS

- Temperature Characteristics:**
- COG: 0 ±30ppm/°C from -55°C to +125°C
 - X7R: ±15% from -55°C to +125°C
 - Z5U: +22% from; -56% from +10°C to +85°C



Specifications:

- Solder coated copper clad steel leads
- Epoxy encapsulated - meets flame test requirements of UL Standard 94V-0
- High-temperature solder - meets EIA RS-198D, Method 302, Condition B (260°C for 10 sec.)

Temp Coef: C0G, 5% Tolerance

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)			Price Each		
			L	D	T	1	10	100
100 Volt								
80-C410C100J1G	C410C100J1G5CA	10	.170	.100	1.00	.22	.17	.14
80-C410C150J1G	C410C150J1G5CA	15	.170	.100	1.00	.22	.17	.14
80-C410C180J1G	C410C180J1G5CA	18	.170	.100	1.00	.22	.17	.14
80-C410C220J1G	C410C220J1G5CA	22	.170	.100	1.00	.22	.17	.14
80-C410C270J1G	C410C270J1G5CA	27	.170	.100	1.00	.22	.17	.14
80-C410C330J1G	C410C330J1G5CA	33	.170	.100	1.00	.22	.17	.14
80-C410C470J1G	C410C470J1G5CA	47	.170	.100	1.00	.22	.17	.14
80-C410C820J1G	C410C820J1G5CA	82	.170	.100	1.00	.22	.17	.14
80-C410C101J1G	C410C101J1G5CA	100	.170	.100	1.00	.20	.15	.12
80-C410C151J1G	C410C151J1G5CA	150	.170	.100	1.00	.22	.17	.14
80-C410C221J1G	C410C221J1G5CA	220	.170	.100	1.00	.22	.17	.14
80-C410C331J1G	C410C331J1G5CA	330	.170	.100	1.00	.22	.17	.14
80-C410C471J1G	C410C471J1G5CA	470	.170	.100	1.00	.22	.17	.14
80-C410C102J1G	C410C102J1G5CA	1000	.170	.100	1.00	.21	.16	.13
80-C430C332J1G	C430C332J1G5CA	3300	.290	.150	1.00	.55	.41	.35
80-C430C472J1G	C430C472J1G5CA	4700	.290	.150	1.00	.55	.41	.35
200 Volt								
80-C410C220J2G	C410C220J2G5CA	22	.170	.100	1.00	.22	.17	.14
80-C410C330J2G	C410C330J2G5CA	33	.170	.100	1.00	.22	.17	.14
80-C410C101J2G	C410C101J2G5CA	100	.170	.100	1.00	.20	.15	.12

CK05 Series (cont.)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Price Each			
				1	10	100	200
80-CK05BX182K	C052K182K1X5CA	1800	100	.30	.24	.19	.15
80-CK05BX222K	C052K222K1X5CA	2200	100	.30	.24	.19	.15
80-CK05BX272K	C052K272K1X5CA	2700	100	.30	.24	.19	.15
80-CK05BX332K	C052K332K1X5CA	3300	100	.30	.24	.19	.15
80-CK05BX392K	C052K392K1X5CA	3900	100	.30	.24	.19	.15
80-CK05BX472K	C052K472K1X5CA	4700	100	.30	.24	.19	.15
80-CK05BX562K	C052K562K1X5CA	5600	100	.30	.24	.19	.15
80-CK05BX682K	C052K682K1X5CA	6800	100	.32	.26	.20	.16
80-CK05BX822K	C052K822K1X5CA	8200	100	.32	.26	.20	.16
80-CK05BX103K	C052K103K1X5CA	10,000	100	.32	.26	.20	.16
80-CK05BX123K	C052K123K5X5CA	12,000	50	.38	.31	.24	.19
80-CK05BX153K	C052K153K5X5CA	15,000	50	.38	.31	.24	.19
80-CK05BX223K	C052K223K5X5CA	22,000	50	.38	.31	.24	.19
80-CK05BX273K	C052K273K5X5CA	27,000	50	.38	.31	.24	.19
80-CK05BX333K	C052K333K5X5CA	33,000	50	.42	.34	.26	.21
80-CK05BX393K	C052K393K5X5CA	39,000	50	.42	.34	.26	.21
80-CK05BX473K	C052K473K5X5CA	47,000	50	.42	.34	.26	.21
80-CK05BX563K	C052K563K5X5CA	56,000	50	.42	.34	.26	.21
80-CK05BX683K	C052K683K5X5CA	68,000	50	.42	.34	.26	.21
80-CK05BX104K	C052K104K5X5CA	0.1uF	50	.42	.34	.26	.21

CK06 Series

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Price Each			
				1	10	100	200
80-CK06BX152K	C062K152K2X5CA	1500	200	.34	.28	.21	.17
80-CK06BX222K	C062K222K2X5CA	2200	200	.34	.28	.21	.17
80-CK06BX332K	C062K332K2X5CA	3300	200	.34	.28	.21	.17
80-CK06BX392K	C062K392K2X5CA	3900	200	.34	.28	.21	.17
80-CK06BX472K	C062K472K2X5CA	4700	200	.34	.28	.21	.17
80-CK06BX682K	C062K682K2X5CA	6800	200	.34	.28	.21	.17
80-CK06BX103K	C062K103K2X5CA	10,000	200	.34	.28	.21	.17
80-CK06BX223K	C062K223K1X5CA	22,000	100	.40	.33	.25	.20
80-CK06BX333K	C062K333K1X5CA	33,000	100	.44	.36	.28	.22
80-CK06BX473K	C062K473K1X5CA	47,000	100	.44	.36	.28	.22
80-CK06BX683K	C062K683K1X5CA	68,000	100	.44	.36	.28	.22
80-CK06BX104K	C062K104K1X5CA	0.1uF	100	.44	.36	.28	.22
80-CK06BX154K	C062K154K5X5CA	.15uF	50	.98	.80	.61	.49
80-CK06BX224K	C062K224K5X5CA	.22uF	50	1.02	.83	.64	.51
80-CK06BX274K	C062K274K5X5CA	.27uF	50	1.52	1.24	.95	.76
80-CK06BX334K	C062K334K5X5CA	.33uF	50	1.52	1.24	.95	.76
80-CK06BX394K	C062K394K5X5CA	.39uF	50	1.90	1.54	1.19	.95
80-CK06BX474K	C062K474K5X5CA	.47uF	50	1.90	1.54	1.19	.95
80-CK06BX564K	C062K564K5X5CA	.56uF	50	2.52	2.05	1.58	1.26
80-CK06BX684K	C062K684K5X5CA	.68uF	50	2.52	2.05	1.58	1.26
80-CK06BX824K	C114K824K5X5CA	.82uF	50	2.52	2.05	1.58	1.26
80-CK06BX105K	C062K105K5X5CA	1.0uF	50	2.52	2.05	1.58	1.26

Temp Coef: X7R, 10% Tolerance

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)			Price Each		
			L	D	T	1	10	100
50 Volt								
80-C410C102K5R	C410C102K5R5CA	1000	.170	.100	1.00	.15	.11	.10
80-C410C103K5R	C410C103K5R5CA	10,000	.170	.100	1.00	.13	.10	.08
80-C410C223K5R	C410C223K5R5CA	22,000	.170	.100	1.00	.22	.17	.14
80-C410C333K5R	C410C333K5R5CA	33,000	.170	.100	1.00	.22	.17	.14
80-C410C473K5R	C410C473K5R5CA	47,000	.170	.100	1.00	.24	.18	.15
80-C412C104K5R	C412C104K5R5CA	0.1uF	.170	.120	1.00	.15	.11	.10
80-C430C154K5R	C430C154K5R5CA	.15uF	.290	.150	1.00	.50	.37	.31
80-C430C224K5R	C430C224K5R5CA	.22uF	.290	.150	1.00	.74	.55	.46
80-C440C474K5R	C440C474K5R5CA	.47uF	.400	.150	1.00	1.20	.90	.75
100 Volt								
80-C410C821K1R	C410C821K1R5CA	820	.170	.100	1.00	.17	.13	.11
80-C410C102K1R	C410C102K1R5CA	1000	.170	.100	1.00	.15	.11	.10
80-C410C152K1R	C410C152K1R5CA	1500	.170	.100	1.00	.17	.13	.11
80-C410C222K1R	C410C222K1R5CA	2200	.170	.100	1.00	.17	.13	.11
80-C410C472K1R	C410C472K1R5CA	4700	.170	.100	1.00	.17	.13	.11
80-C410C103K1R	C410C103K1R5CA	10,000	.170	.100	1.00	.14	.10	.09
80-C430C473K1R	C430C473K1R5CA	47,000	.290	.150	1.00	.36	.27	.23
80-C430C104K1R	C430C104K1R5CA	0.1uF	.290	.150	1.00	.40	.30	.25

Temp Coef: Z5U, 20% Tolerance

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)			Price Each		
			L	D	T	1	10	100
50 Volt								
80-C410C103M5U	C410C103M5U5CA	10,000	.170	.100	1.00	.10	.08	.06
80-C410C104M5U	C410C104M5U5CA	0.1uF	.170	.100	1.00	.10	.08	.06
80-C412C334M5U	C412C334M5U5CA	.33uF	.170	.120	1.00	.31	.23	.19
80-C420C334M5U	C420C334M5U5CA	.33uF	.260	.100	1.00	.31	.23	.19
80-C430C474M5U	C430C474M5U5CA	.47uF	.290	.150	1.00	.50	.38	.31
80-C430C105M5U	C430C105M5U5CA	1.0uF	.290	.150	1.00	.64	.48	.40
80-C440C105M5U	C440C105M5U5CA	1.0uF	.400	.150	1.00	.64	.48	.40
100 Volt								
80-C410C103M1U	C410C103M1U5CA	10,000	.170	.100	1.00	.10	.08	.06

CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIALS, COG (NPO)

- Temperature characteristics: 0 ±30ppm/°C from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0

Also available in various lead formations, tolerances and packaging. Please contact a Mouser Sales Representative for information.

C315 Series, 5% Tolerance, Straight Leads, COG (NPO)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C315C150J1G	C315C150J1G5CA	15	.150	.210	.100	.100	.22	.19	.15
80-C315C220J1G	C315C220J1G5CA	22	.150	.210	.100	.100	.22	.19	.15
80-C315C330J1G	C315C330J1G5CA	33	.150	.210	.100	.100	.22	.19	.15
80-C315C390J1G	C315C390J1G5CA	39	.150	.210	.100	.100	.22	.19	.15
80-C315C470J1G	C315C470J1G5CA	47	.150	.210	.100	.100	.22	.19	.15
80-C315C101J1G	C315C101J1G5CA	100	.150	.210	.100	.100	.22	.19	.15
80-C315C121J1G	C315C121J1G5CA	120	.150	.210	.100	.100	.20	.18	.14
80-C315C151J1G	C315C151J1G5CA	150	.150	.210	.100	.100	.20	.18	.14
80-C315C181J1G	C315C181J1G5CA	180	.150	.210	.100	.100	.20	.18	.14
80-C315C221J1G	C315C221J1G5CA	220	.150	.210	.100	.100	.20	.18	.14
80-C315C331J1G	C315C331J1G5CA	330	.150	.210	.100	.100	.20	.18	.14
80-C315C391J1G	C315C391J1G5CA	390	.150	.210	.100	.100	.20	.18	.14
80-C315C471J1G	C315C471J1G5CA	470	.150	.210	.100	.100	.20	.18	.14
80-C315C561J1G	C315C561J1G5CA	560	.150	.210	.100	.100	.20	.18	.14
80-C315C681J1G	C315C681J1G5CA	680	.150	.210	.100	.100	.29	.25	.19
80-C315C821J1G	C315C821J1G5CA	820	.150	.210	.100	.100	.29	.25	.19
80-C315C102J1G	C315C102J1G5CA	1000	.150	.210	.100	.100	.23	.20	.16
200 Volt									
80-C315C100J2G	C315C100J2G5CA	10	.150	.210	.100	.100	.20	.18	.14
80-C315C150J2G	C315C150J2G5CA	15	.150	.210	.100	.100	.22	.19	.15
80-C315C180J2G	C315C180J2G5CA	18	.150	.210	.100	.100	.22	.19	.15
80-C315C270J2G	C315C270J2G5CA	27	.150	.210	.100	.100	.22	.19	.15
80-C315C330J2G	C315C330J2G5CA	33	.150	.210	.100	.100	.22	.19	.15
80-C315C390J2G	C315C390J2G5CA	39	.150	.210	.100	.100	.22	.19	.15
80-C315C470J2G	C315C470J2G5CA	47	.150	.210	.100	.100	.22	.19	.15
80-C315C560J2G	C315C560J2G5CA	56	.150	.210	.100	.100	.22	.19	.15
80-C315C680J2G	C315C680J2G5CA	68	.150	.210	.100	.100	.22	.19	.15
80-C315C101J2G	C315C101J2G5CA	100	.150	.210	.100	.100	.22	.19	.15
80-C315C151J2G	C315C151J2G5CA	150	.150	.210	.100	.100	.24	.21	.17
80-C315C181J2G	C315C181J2G5CA	180	.150	.210	.100	.100	.24	.21	.17
80-C315C221J2G	C315C221J2G5CA	220	.150	.210	.100	.100	.24	.21	.17
80-C315C331J2G	C315C331J2G5CA	330	.150	.210	.100	.100	.29	.25	.19
80-C315C471J2G	C315C471J2G5CA	470	.150	.210	.100	.100	.29	.25	.19

C320 Series, 5% Tolerance, Straight Leads, COG (NPO)

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C320C152J1G	C320C152J1G5CA	1500	.200	.260	.125	.100	.29	.25	.19
80-C320C182J1G	C320C182J1G5CA	1800	.200	.260	.125	.100	.29	.25	.19
80-C320C222J1G	C320C222J1G5CA	2200	.200	.260	.125	.100	.29	.25	.19
80-C320C272J1G	C320C272J1G5CA	2700	.200	.260	.125	.100	.29	.25	.19
80-C320C332J1G	C320C332J1G5CA	3300	.200	.260	.125	.100	.33	.29	.22
80-C320C472J1G	C320C472J1G5CA	4700	.200	.260	.125	.100	.35	.31	.24
200 Volt									
80-C320C561J2G	C320C561J2G5CA	560	.200	.260	.125	.100	.29	.25	.19
80-C320C102J2G	C320C102J2G5CA	1000	.200	.260	.125	.100	.30	.26	.20
80-C320C122J2G	C320C122J2G5CA	1200	.200	.260	.125	.100	.33	.29	.22
80-C320C152J2G	C320C152J2G5CA	1500	.200	.260	.125	.100	.33	.29	.22
80-C320C222J2G	C320C222J2G5CA	2200	.200	.260	.125	.100	.33	.29	.22

C330 Series, 5% Tolerance, Straight Leads, COG (NPO)

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C330C682J1G	C330C682J1G5CA	6800	.300	.360	.150	.200	.66	.58	.45
80-C330C822J1G	C330C822J1G5CA	8200	.300	.360	.150	.200	.66	.58	.45
80-C330C103J1G	C330C103J1G5CA	10,000	.300	.360	.150	.200	.82	.71	.55
80-C330C123J1G	C330C123J1G5CA	12,000	.300	.360	.150	.200	1.03	.90	.70
80-C330C153J1G	C330C153J1G5CA	15,000	.300	.360	.150	.200	1.03	.90	.70
80-C330C223J1G	C330C223J1G5CA	22,000	.300	.360	.150	.200	1.54	1.34	1.04
80-C330C273J1G	C330C273J1G5CA	27,000	.300	.360	.150	.200	1.66	1.45	1.12
200 Volt									
80-C330C103J2G	C330C103J2G5CA	10,000	.300	.360	.150	.200	.92	.81	.62

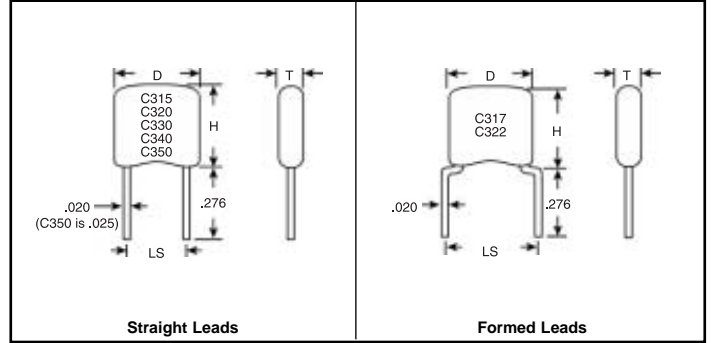
C340 Series, 5% Tolerance, Straight Leads, COG (NPO)

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C340C333J1G	C340C333J1G5CA	33,000	.400	.460	.150	.200	3.18	2.78	2.15
80-C340C473J1G	C340C473J1G5CA	47,000	.400	.460	.150	.200	3.55	3.10	2.39
80-C340C563J1G	C340C563J1G5CA	56,000	.400	.460	.150	.200	3.55	3.10	2.39
80-C340C683J1G	C340C683J1G5CA	68,000	.400	.460	.150	.200	3.98	3.48	2.68

C350 Series, 5% Tolerance, Straight Leads, COG (NPO)

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C350C104J1G	C350C104J1G5CA	0.1µF	.500	.560	.200	.400	5.88	5.15	3.97
80-C350C473J2G	C350C473J2G5CA	47,000	.500	.560	.200	.200	4.88	4.27	3.29

DIMENSIONS (IN.)



C317 Series, 5% Tolerance, Formed Leads, COG (NPO)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C317C181J1G	C317C181J1G5CA	180	.150	.230	.100	.200	.21	.18	.14
80-C317C221J1G	C317C221J1G5CA	220	.150	.230	.100	.200	.21	.18	.14
80-C317C331J1G	C317C331J1G5CA	330	.150	.230	.100	.200	.21	.18	.14
80-C317C102J1G	C317C102J1G5CA	1000	.150	.230	.100	.200	.25	.20	.16
200 Volt									
80-C317C100J2G	C317C100J2G5CA	10	.150	.230	.100	.200	.21	.18	.14
80-C317C150J2G	C317C150J2G5CA	15	.150	.230	.100	.200	.23	.19	.15
80-C317C180J2G	C317C180J2G5CA	18	.150	.230	.100	.200	.23	.19	.15
80-C317C220J2G	C317C220J2G5CA	22	.150	.230	.100	.200	.23	.19	.15
80-C317C270J2G	C317C270J2G5CA	27	.150	.230	.100	.200	.23	.19	.15
80-C317C330J2G	C317C330J2G5CA	33	.150	.230	.100	.200	.23	.19	.15
80-C317C560J2G	C317C560J2G5CA	56	.150	.230	.100	.200	.23	.19	.15
80-C317C101J2G	C317C101J2G5CA	100	.150	.230	.100	.200	.23	.19	.15
80-C317C471J2G	C317C471J2G5CA	470	.150	.230	.100	.200	.31	.25	.19

C322 Series, 5% Tolerance, Formed Leads, COG (NPO)

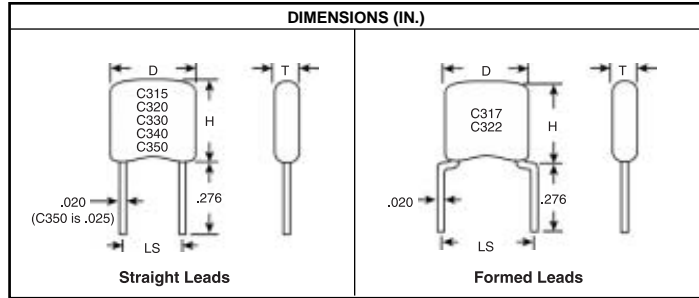
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)				Price Each		
			D	H	T	LS	1	25	100
100 Volt									
80-C322C821J1G	C322C821J1G5CA	820	.200	.260	.125	.200	.29	.25	.19
80-C322C102J1G	C322C102J1G5CA	1000	.200	.260	.125	.200	.23	.20	.16
80-C322C122J1G	C322C122J1G5CA	1200	.200	.260	.125	.200	.29	.25	.19
80-C322C152J1G	C322C152J1G5CA	1500	.200	.260	.125	.200	.29	.25	.19
80-C322C182J1G	C322C182J1G5CA	1800	.200	.260	.125	.200	.29	.25	.19
80-C322C222J1G	C322C222J1G5CA	2200	.200	.260	.125	.200	.29	.25	.19
80-C322C272J1G	C322C272J1G5CA	2700	.200	.260	.125	.200	.29	.25	.19
80-C322C332J1G	C322C332J1G5CA	3300	.200	.260	.125	.200	.33	.29	.22
80-C322C392J1G	C322C392J1G5CA	3900	.200	.260	.125	.200	.35	.31	.24
80-C322C472J1G	C322C472J1G5CA	4700	.200	.260	.125	.200	.35	.31	.24
80-C322C562J1G	C322C562J1G5CA	5600	.200	.260	.125	.200	.40	.35	.27
200 Volt									
80-C322C100J2G	C322C100J2G5CA	10	.200	.260	.125	.200	.20	.18	.14
80-C322C220J2G	C322C220J2G5CA	22	.200	.260	.125	.200	.22	.19	.15
80-C322C270J2G	C322C270J2G5CA	27	.200	.260	.125	.200	.22	.19	.15
80-C322C330J2G	C322C330J2G5CA	33	.200	.260	.125	.200	.22	.19	.15
80-C322C390J2G	C322C390J2G5CA								

CERAMIC "GOLDEN MAX" CONFORMAL COATED, X7R AND Z5U

- Temperature Characteristics: X7R: ±15% from -55°C to +125°C, Z5U: +22%, -56% from +10°C to +85°C
- Meets flame test requirements of UL Standard 94V-0.
- Epoxy Encapsulated

Also available in various lead formations, tolerances and packing. Please contact a Mouser Sales Representative for information.



X7R, Straight Leads, 10% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Max. Dimensions (In.)				Price Each		
				D	H	T	LS	1	25	100
C315 Series, X7R										
80-C315C102K5R	C315C102K5R5CA	1000	50	.150	.210	.100	.100	.13	.12	.09
80-C315C332K5R	C315C332K5R5CA	3300	50	.150	.210	.100	.100	.14	.13	.10
80-C315C472K5R	C315C472K5R5CA	4700	50	.150	.210	.100	.100	.16	.14	.11
80-C315C103K5R	C315C103K5R5CA	10,000	50	.150	.210	.100	.100	.13	.12	.09
80-C315C153K5R	C315C153K5R5CA	15,000	50	.150	.210	.100	.100	.16	.14	.11
80-C315C223K5R	C315C223K5R5CA	22,000	50	.150	.210	.100	.100	.17	.15	.12
80-C315C333K5R	C315C333K5R5CA	33,000	50	.150	.210	.100	.100	.17	.15	.12
80-C315C331K1R	C315C331K1R5CA	330	100	.150	.210	.100	.100	.14	.13	.10
80-C315C471K1R	C315C471K1R5CA	4700	100	.150	.210	.100	.100	.14	.13	.10
80-C315C102K1R	C315C102K1R5CA	1000	100	.150	.210	.100	.100	.13	.12	.09
80-C315C152K1R	C315C152K1R5CA	1500	100	.150	.210	.100	.100	.14	.13	.10
80-C315C222K1R	C315C222K1R5CA	2200	100	.150	.210	.100	.100	.14	.13	.10
80-C315C332K1R	C315C332K1R5CA	3300	100	.150	.210	.100	.100	.14	.13	.10
80-C315C472K1R	C315C472K1R5CA	4700	100	.150	.210	.100	.100	.16	.14	.11
80-C315C682K1R	C315C682K1R5CA	6800	100	.150	.210	.100	.100	.16	.14	.11
80-C315C103K1R	C315C103K1R5CA	10,000	100	.150	.210	.100	.100	.14	.13	.10
80-C315C101K2R	C315C101K2R5CA	100	200	.150	.210	.100	.100	.17	.15	.11
80-C315C221K2R	C315C221K2R5CA	220	200	.150	.210	.100	.100	.18	.16	.12
80-C315C471K2R	C315C471K2R5CA	470	200	.150	.210	.100	.100	.18	.16	.12
80-C315C102K2R	C315C102K2R5CA	1000	200	.150	.210	.100	.100	.17	.15	.11
C320 Series, X7R										
80-C320C473K5R	C320C473K5R5CA	47,000	50	.200	.260	.125	.100	.20	.17	.13
80-C320C683K5R	C320C683K5R5CA	68,000	50	.200	.260	.125	.100	.20	.17	.13
80-C320C104K5R	C320C104K5R5CA	0.1µF	50	.200	.260	.125	.100	.16	.14	.11
80-C320C154K5R	C320C154K5R5CA	0.15µF	50	.200	.260	.125	.100	.28	.24	.19
80-C320C224K5R	C320C224K5R5CA	.22µF	50	.200	.260	.125	.100	.40	.35	.27
80-C320C153K1R	C320C153K1R5CA	15,000	100	.200	.260	.125	.100	.18	.15	.12
80-C320C223K1R	C320C223K1R5CA	22,000	100	.200	.260	.125	.100	.20	.18	.14
80-C320C333K1R	C320C333K1R5CA	33,000	100	.200	.260	.125	.100	.20	.18	.14
80-C320C473K1R	C320C473K1R5CA	47,000	100	.200	.260	.125	.100	.25	.22	.17
80-C320C222K2R	C320C222K2R5CA	2200	200	.200	.260	.125	.100	.18	.16	.12
80-C320C472K2R	C320C472K2R5CA	4700	200	.200	.260	.125	.100	.20	.18	.14
80-C320C103K2R	C320C103K2R5CA	10,000	200	.200	.260	.125	.100	.18	.16	.12
C330 Series, X7R										
80-C330C224K5R	C330C224K5R5CA	.22µF	50	.300	.360	.150	.200	.58	.51	.39
80-C330C274K5R	C330C274K5R5CA	.27µF	50	.300	.360	.150	.200	.62	.55	.42
80-C330C334K5R	C330C334K5R5CA	.33µF	50	.300	.360	.150	.200	.62	.55	.42
80-C330C474K5R	C330C474K5R5CA	.47µF	50	.300	.360	.150	.200	.62	.55	.42
80-C330C684K5R	C330C684K5R5CA	.68µF	50	.300	.360	.150	.200	1.30	1.14	.88
80-C330C105K5R	C330C105K5R5CA	1.0µF	50	.300	.360	.150	.200	1.05	.92	.71
80-C330C104K1R	C330C104K1R5CA	0.1µF	100	.300	.360	.150	.200	.30	.26	.20
80-C330C224K1R	C330C224K1R5CA	.22µF	100	.300	.360	.150	.200	.68	.60	.46
80-C330C334K1R	C330C334K1R5CA	.33µF	100	.300	.360	.150	.200	.84	.74	.57
80-C330C474K1R	C330C474K1R5CA	.47µF	100	.300	.360	.150	.200	1.40	1.23	.95
80-C330C333K2R	C330C333K2R5CA	33,000	200	.300	.360	.150	.200	.34	.30	.23
80-C330C473K2R	C330C473K2R5CA	47,000	200	.300	.360	.150	.200	.34	.30	.23
80-C330C104K2R	C330C104K2R5CA	0.1µF	200	.300	.360	.150	.200	.70	.61	.47
C340 Series, X7R										
80-C340C105K5R	C340C105K5R5CA	1.0µF	50	.400	.460	.150	.200	1.05	.92	.71
80-C340C155K5R	C340C155K5R5CA	1.5µF	50	.400	.460	.150	.200	2.68	2.35	1.81
80-C340C225K5R	C340C225K5R5CA	2.2µF	50	.400	.460	.150	.200	3.25	2.85	2.20
80-C340C474K1R	C340C474K1R5CA	.47µF	100	.400	.460	.150	.200	1.30	1.14	.88
80-C340C105K1R	C340C105K1R5CA	1.0µF	100	.400	.460	.150	.200	3.25	2.85	2.20
80-C340C224K2R	C340C224K2R5CA	.22µF	200	.400	.460	.150	.200	3.25	2.85	2.20
C350 Series, X7R										
80-C350C225K5R	C350C225K5R5CA	2.2µF	50	.500	.560	.200	.400	6.68	5.85	4.51
80-C350C335K5R	C350C335K5R5CA	3.3µF	50	.500	.560	.200	.400	7.44	6.51	5.02
80-C350C475K5R	C350C475K5R5CA	4.7µF	50	.500	.560	.200	.400	9.16	8.02	6.18
80-C350C105K1R	C350C105K1R5CA	1.0µF	100	.500	.560	.200	.400	6.24	5.46	4.21
80-C350C474K2R	C350C474K2R5CA	.47µF	200	.500	.560	.200	.400	7.00	6.13	4.73

X7R, Formed Leads, 10% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Max. Dimensions (In.)				Price Each		
				D	H	T	LS	1	25	100
C317 Series										
80-C317C103K5R	C317C103K5R5CA	10,000	50	.150	.230	.100	.200	.14	.12	.09
80-C317C102K1R	C317C102K1R5CA	1000	100	.150	.230	.100	.200	.14	.12	.09
80-C317C222K1R	C317C222K1R5CA	2200	100	.150	.230	.100	.200	.15	.13	.10
80-C317C332K1R	C317C332K1R5CA	3300	100	.150	.230	.100	.200	.15	.13	.10
80-C317C472K1R	C317C472K1R5CA	4700	100	.150	.230	.100	.200	.17	.14	.11
80-C317C103K1R	C317C103K1R5CA	10,000	100	.150	.230	.100	.200	.15	.13	.10
80-C317C101K2R	C317C101K2R5CA	100	200	.150	.230	.100	.200	.18	.15	.11
80-C317C102K2R	C317C102K2R5CA	1000	200	.150	.230	.100	.200	.18	.15	.11
C322 Series										
80-C322C103K5R	C322C103K5R5CA	10,000	50	.200	.260	.125	.200	.13	.12	.09
80-C322C223K5R	C322C223K5R5CA	22,000	50	.200	.260	.125	.200	.17	.15	.12
80-C322C333K5R	C322C333K5R5CA	33,000	50	.200	.260	.125	.200	.17	.15	.12
80-C322C473K5R	C322C473K5R5CA	47,000	50	.200	.260	.125	.200	.20	.17	.13
80-C322C683K5R	C322C683K5R5CA	68,000	50	.200	.260	.125	.200	.20	.17	.13
80-C322C104K5R	C322C104K5R5CA	0.1µF	50	.200	.260	.125	.200	.16	.14	.11
80-C322C154K5R	C322C154K5R5CA	.15µF	50	.200	.260	.125	.200	.28	.24	.19
80-C322C224K5R	C322C224K5R5CA	.22µF	50	.200	.260	.125	.200	.40	.35	.27
80-C322C274K5R	C322C274K5R5CA	.27µF	50	.200	.260	.125	.200	.42	.37	.29
80-C322C472K1R	C322C472K1R5CA	4700	100	.200	.260	.125	.200	.16	.14	.11
80-C322C103K1R	C322C103K1R5CA	10,000	100	.200	.260	.125	.200	.14	.13	.10
80-C322C473K1R	C322C473K1R5CA	47,000	100	.200	.260	.125	.200	.25	.22	.17
80-C322C104K1R	C322C104K1R5CA	0.1µF	100	.200	.260	.125	.200	.25	.22	.17
80-C322C102K2R	C322C102K2R5CA	1000	200	.200	.260	.125	.200	.17	.15	.11
80-C322C222K2R	C322C222K2R5CA	2200	200	.200	.260	.125	.200	.18	.16	.12
80-C322C472K2R	C322C472K2R5CA	4700	200	.200	.260	.125	.200	.20	.18	.14
80-C322C103K2R	C322C103K2R5CA	10,000	200	.200	.260	.125	.200	.18	.16	.12

Z5U, Straight Leads, 20% Tolerance

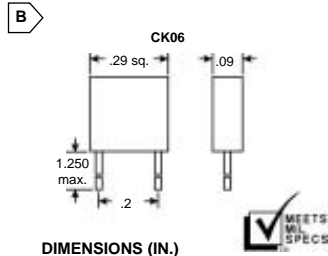
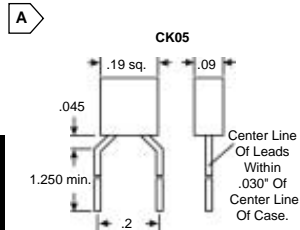
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Max. Dimensions (In.)				Price Each		
				D	H	T	LS	1	25	100
C315 Series										
80-C315C473M5U	C315C473M5U5CA	47,000	50	.150	.210	.100	.100	.13	.12	.09
80-C315C104M5U	C315C104M5U5CA	0.1µF	50	.150	.210	.100	.100	.12	.11	.08
80-C315C102M1U	C315C102M1U5CA	1000	100	.150	.210	.100	.100	.12	.11	.08
80-C315C222M1U	C315C222M1U5CA	2200	100	.150	.210	.100	.100	.14	.12	.09
80-C315C103M1U	C315C103M1U5CA	10,000	100	.150	.210	.100	.100	.12	.11	.08
C320 Series										
80-C320C103M5U	C320C103M5U5CA	10,000	50	.200	.260</					

MONOLITHIC CERAMIC CAPACITORS

Specifications:

- Tolerance: ±10%
- Operating temperature: -55°C to +125°C
- Molded Case
- MIL spec MIL-C-11015/18 or MIL-C-11015/20



DIMENSIONS (IN.)

CK05 Series

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Fig.	WVDC	Value (pF)	Price Each			
					1	10	100	200
539-CK05100K	CK05BX100K	A	200	10	.34	.27	.24	.21
539-CK05120K	CK05BX120K	A	200	12	.41	.33	.30	.26
539-CK05150K	CK05BX150K	A	200	15	.41	.33	.30	.26
539-CK05180K	CK05BX180K	A	200	18	.41	.33	.30	.26
539-CK05220K	CK05BX220K	A	200	22	.29	.23	.21	.19
539-CK05330K	CK05BX330K	A	200	33	.34	.27	.24	.21
539-CK05390K	CK05BX390K	A	200	39	.29	.23	.21	.19
539-CK05470K	CK05BX470K	A	200	47	.29	.23	.21	.19
539-CK05560K	CK05BX560K	A	200	56	.41	.33	.30	.26
539-CK05680K	CK05BX680K	A	200	68	.34	.27	.24	.21
539-CK05820K	CK05BX820K	A	200	82	.34	.27	.24	.21
539-CK05101K	CK05BX101K	A	200	100	.29	.23	.21	.19
539-CK05121K	CK05BX121K	A	200	120	.41	.33	.30	.26
539-CK05151K	CK05BX151K	A	200	150	.34	.27	.24	.21
539-CK05181K	CK05BX181K	A	200	180	.34	.27	.24	.21
539-CK05221K	CK05BX221K	A	200	220	.34	.27	.24	.21
539-CK05271K	CK05BX271K	A	200	270	.41	.33	.30	.26
539-CK05331K	CK05BX331K	A	200	330	.34	.27	.24	.21
539-CK05391K	CK05BX391K	A	200	390	.41	.33	.30	.26
539-CK05471K	CK05BX471K	A	200	470	.34	.27	.24	.21
539-CK05681K	CK05BX681K	A	200	680	.34	.27	.24	.21
539-CK05821K	CK05BX821K	A	200	820	.34	.27	.24	.21
539-CK05102K	CK05BX102K	A	200	1,000	.29	.23	.21	.19
539-CK05122K	CK05BX122K	A	100	1,200	.41	.33	.30	.26
539-CK05152K	CK05BX152K	A	100	1,500	.41	.33	.30	.26

CK05 Series (Cont.)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Fig.	WVDC	Value (pF)	Price Each			
					1	10	100	200
539-CK05182K	CK05BX182K	A	100	1,800	.41	.33	.30	.26
539-CK05222K	CK05BX222K	A	100	2,200	.34	.27	.24	.21
539-CK05272K	CK05BX272K	A	100	2,700	.41	.33	.30	.26
539-CK05332K	CK05BX332K	A	100	3,300	.41	.33	.30	.26
539-CK05472K	CK05BX472K	A	100	4,700	.29	.23	.21	.19
539-CK05562K	CK05BX562K	A	100	5,600	.41	.33	.30	.26
539-CK05682K	CK05BX682K	A	100	6,800	.34	.27	.24	.22
539-CK05822K	CK05BX822K	A	100	8,200	.42	.33	.30	.27
539-CK05103K	CK05BX103K	A	100	10,000	.27	.21	.19	.17
539-CK05123K	CK05BX123K	A	50	12,000	.52	.42	.37	.33
539-CK05153K	CK05BX153K	A	50	15,000	.52	.42	.37	.33
539-CK05183K	CK05BX183K	A	50	18,000	.52	.42	.37	.33
539-CK05223K	CK05BX223K	A	50	22,000	.37	.30	.27	.24
539-CK05273K	CK05BX273K	A	50	27,000	.52	.42	.37	.33
539-CK05333K	CK05BX333K	A	50	33,000	.47	.37	.34	.30
539-CK05393K	CK05BX393K	A	50	39,000	.57	.46	.41	.37
539-CK05473K	CK05BX473K	A	50	47,000	.47	.37	.34	.30
539-CK05683K	CK05BX683K	A	50	68,000	.57	.46	.41	.37
539-CK05823K	CK05BX823K	A	50	82,000	.55	.44	.39	.35
539-CK05104K	CK05BX104K	A	50	100,000	.39	.31	.28	.25



CK06 Series

For quantities 500 and up, call for quote.

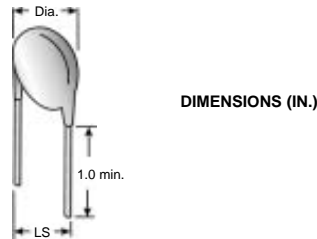
MOUSER STOCK NO.	Mallory Part No.	Fig.	WVDC	Value (pF)	Price Each			
					1	10	100	200
539-CK06222K	CK06BX222K	B	200	2,200	.45	.36	.32	.28
539-CK06332K	CK06BX332K	B	200	3,300	.45	.36	.32	.28
539-CK06472K	CK06BX472K	B	200	4,700	.45	.36	.32	.28
539-CK06103K	CK06BX103K	B	200	10,000	.45	.36	.32	.28
539-CK06153K	CK06BX153K	B	100	15,000	.55	.44	.39	.35
539-CK06223K	CK06BX223K	B	100	22,000	.55	.44	.39	.35
539-CK06473K	CK06BX473K	B	100	47,000	.60	.48	.43	.38
539-CK06683K	CK06BX683K	B	100	68,000	.60	.48	.43	.38
539-CK06104K	CK06BX104K	B	100	100,000	.60	.48	.43	.38
539-CK06154K	CK06BX154K	B	50	150,000	1.51	1.22	1.09	.97
539-CK06224K	CK06BX224K	B	50	220,000	1.77	1.41	1.28	1.13
539-CK06334K	CK06BX334K	B	50	330,000	2.29	1.83	1.65	1.46
539-CK06474K	CK06BX474K	B	50	470,000	3.12	2.50	2.25	2.00
539-CK06684K	CK06BX684K	B	50	680,000	3.90	3.12	2.81	2.50
539-CK06105K	CK06BX105K	B	50	1,000,000	2.98	2.38	2.14	1.90

HIGH VOLTAGE CERAMIC DISC CAPACITORS

All capacitors are coated with tough humidity resistant coating and primarily designed for noncritical coupling, bypass and filter applications.

Specifications:

- Breakdown voltage: 2.5x rated (5 sec. max.)
- Insulation resistance: 10GΩ min.
- Power factor: 2.5% max.
- Test frequency: 1KHz
- Operating temperature: -30°C to +85°C
- Other values and voltages also available
- Designed around EIA Test Spec. RS-165A
- Ideal for use in non-critical coupling, bypass, and filter applications.



DIMENSIONS (IN.)



GM Series

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	WVDC	Value (pF)	Temp. Coeff.	Toler.	Dia. Max.	Dia. Max.	Price Each		
								1	100	500
539-GM220K	GM220K	500	20	SL	10%	.236	.252	.27	.17	.16
539-GM101K	GM101K	500	100	Y5P	10%	.236	.252	.26	.16	.15
539-GM221K	GM221K	500	220	Y5P	10%	.236	.252	.26	.16	.15
539-GM331K	GM331K	500	330	Y5P	10%	.236	.252	.26	.16	.15
539-GM471K	GM471K	500	470	Y5P	10%	.236	.252	.26	.16	.15
539-GM681K	GM681K	500	680	Y5P	10%	.236	.252	.26	.16	.15
539-GM102M	GM102M	500	1000	Y5U	20%	.236	.252	.26	.16	.15
539-GM102K	GM102K	500	1000	Y5P	10%	.236	.252	.26	.16	.15
539-GM102Z	GM102Z	500	1000	Y5U	-20 +80	.236	.252	.26	.16	.15
539-GM222K	GM222K	500	2200	Y5P	10%	.339	.252	.32	.20	.19
539-GM332M	GM332M	500	3300	Y5U	20%	.291	.252	.31	.20	.18
539-GM472K	GM472K	500	4700	Y5P	10%	.492	.252	.67	.40	.39
539-GM103K	GM103K	500	10000	Y5U	10%	.482	.252	.66	.40	.39
539-GM103M	GM103M	500	10000	Y5P	20%	.642	.374	1.26	.76	.74
539-GM223Z	GM223Z	500	22000	Y5U	-20 +80	.642	.374	1.30	.78	.76

GP Series

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	WVDC	Value (pF)	Temp. Coeff.	Toler.	Dia. Max.	Dia. Max.	Price Each		
								1	100	500
539-GP550	GP550	1000	5	SL	.25pF	.236	.252	.15	.10	.09
539-GP410	GP410	1000	10	SL	.5pF	.236	.252	.15	.10	.09
539-GP415	GP415	1000	15	SL	10%	.236	.252	.15	.10	.09
539-GP422	GP422	1000	22	SL	10%	.236	.252	.15	.10	.09
539-GP427	GP427	1000	27	SL	10%	.236	.252	.15	.10	.09
539-GP433	GP433	1000	33	SL	10%	.236	.252	.15	.10	.09
539-GP447	GP447	1000	47	SL	10%	.236	.252	.15	.10	.09
539-GP468	GP468	1000	68	SL	10%	.236	.252	.15	.10	.09
539-GP310	GP310	1000	100	Y5P	10%	.236	.252	.13	.08	.075
539-GP322	GP322	1000	220	Y5P	10%	.236	.252	.13	.08	.075
539-GP327	GP327	1000	270	SL	10%	.236	.252	.13	.08	.075
539-GP333	GP333	1000	330	Y5P	10%	.236	.252	.13	.08	.075
539-GP347	GP347	1000	470	Y5P	10%	.236	.252	.13	.08	.075
539-GP356	GP356	1000	560	Y5P	10%	.236	.252	.13	.08	.075
539-GP368	GP368	1000	680	Y5P	10%	.236	.252	.14	.08	.075
539-GP210	GP210	1000	1000	Y5P	10%	.291	.252	.15	.09	.08
539-GP222	GP222	1000	2200	Y5P	10%	.374	.252	.24	.14	.13
539-GP247	GP247	1000	4700	Y5U	20%	.433	.252	.28	.17	.15
539-GP110	GP110	1000	10000	Y5U	20%	.590	.375	.47	.28	.26
539-GP122	GP122	1000	22000	Y5U	20%	.748	.374	.68	.41	.40

HT Series

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	WVDC	Value (pF)	Temp. Coeff.	Toler.	Dia. Max.	Dia. Max.	Price Each		
								1	100	500
539-HT471K	HT471K	3000	470	Y5P	10%	.394	.375	.45	.27	.25
539-HT102M	HT102M	3000	1000	Y5U	20%	.394	.375	.48	.29	.26
539-HT222M	HT222M	3000	2200	Y5U	20%	.590	.375	.26	.15	.14
539-HT472M	HT472M	3000	4700	Y5U	20%	.787	.375	1.34	.80	.67

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

CERAMIC CHIP CAPACITORS

Features:

- C0G (NPO), X5R, X7R, Y5V, and Z5U Dielectrics
• 6.3, 10, 16, 25, 50, 100, 200, 250, and 500 Volts
• Available tolerances: ±.25pF, ±.5pF, ±.1pF, 1%, 2%, 5%, 10%, +80/-20%
• Nickel Barrier Termination standard- highly resistant to metal migration
• No polarity
• For assistance with Global Part Numbers, please contact a Mouser representative

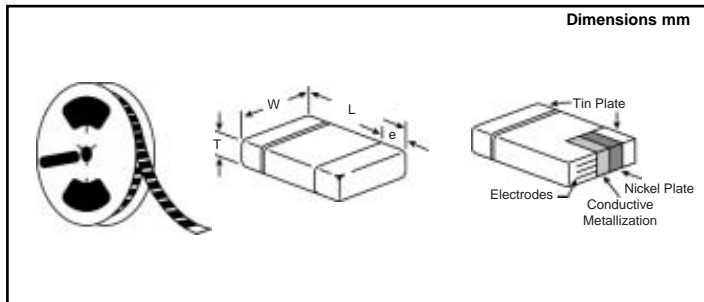


Table with columns: Style, L, W, T, e (min.), Termination. Rows include styles 0402, 0603, 0805, 1206, 1210, 1812, 2220.

Style 0402

Please call a Mouser representative for information of product not listed.

Main table for Style 0402 with columns: MOUSER STOCK NO., Murata Part No., Tol.±, WVDC, Value (pF), Price Each (1, 100), Reel Qty., Price per Piece. Includes sub-sections for C0G, X5R, and Y5V.

Style 0603 (cont.)

Please call a Mouser representative for information of product not listed.

Main table for Style 0603 (cont.) with columns: MOUSER STOCK NO., Murata Part No., Tol.±, WVDC, Value (pF), Price Each (1, 100), Reel Qty., Price per Piece. Includes sub-sections for X5R and Y5V.

Style 0603

Please call a Mouser representative for information of product not listed.

Main table for Style 0603 with columns: MOUSER STOCK NO., Murata Part No., Tol.±, WVDC, Value (pF), Price Each (1, 100), Reel Qty., Price per Piece. Includes sub-sections for C0G and Y5V.

Style 0805

Please call a Mouser representative for information of product not listed.

Main table for Style 0805 with columns: MOUSER STOCK NO., Murata Part No., Tol.±, Volt, Value (pF), Price Each (1, 100), Reel Qty., Price per Piece. Includes sub-sections for C0G and Y5V.

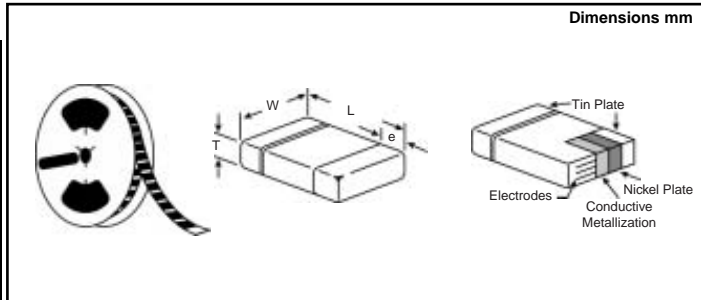
NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

MURATA CERAMIC CHIP CAPACITORS

Features:

- COG (NPO), X5R, X7R, Y5V, and Z5U Dielectrics
- 6.3, 10, 16, 25, 50, 100, 200, 250, and 500 Volts
- Available tolerances: $\pm 25\text{pF}$, $\pm 5\text{pF}$, $\pm 1\text{pF}$, 1%, 2%, 5%, 10%, $\pm 80\%$ / $\pm 20\%$
- Nickel Barrier Termination standard- highly resistant to metal migration
- No polarity
- For assistance with Global Part Numbers, please contact a Mouser representative



Style	L	W	T	e (min.)	Termination
0402	1.0 ± 0.05	0.5 ± 0.05	0.5 ± 0.05	0.15	-0.3
0603	1.6 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	0.2	~ 0.5
0805	2.0 ± 0.1	1.25 ± 0.1	0.6 ± 0.1	0.2 ~ 0.7	
			0.85 ± 0.1		
			1.25 ± 0.1		
1206	3.2 ± 0.15	1.6 ± 0.15	0.85 ± 0.1	0.3 ~ 0.8	
			1.15 ± 0.1		
			1.6 ± 0.2		
1210	3.2 ± 0.3	2.5 ± 0.2	1.15 ± 0.1	0.3 min.	
			1.35 ± 0.15		
			1.8 ± 0.2		
			2.5 ± 0.2		
1812	4.5 ± 0.4	3.2 ± 0.3	2.0 max.	0.3 min.	
2220	5.7 ± 0.4	5.0 ± 0.4	2.0 max.	0.3 min.	

Style 0805 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Tol.±	WVDC	Value (pF)	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G (cont.)								
81-GRM40C470F50D	GRM40C0G470F050AD	1%	50	47	.25	.20	4000	.990
81-GRM40C470G50L	GRM40C0G470G050AL	2%	50	47	.31	.25	4000	.124
81-GRM40C680J50D	GRM40C0G680J050AD	5%	50	68	.10	.08	4000	.039
81-GRM40C680J50L	GRM40C0G680J050AL	5%	50	68	.22	.17	4000	.087
81-GRM40C101G50L	GRM40C0G101G050AL	2%	50	100	.31	.25	4000	.124
81-GRM40C271J50D	GRM40C0G271J050AD	5%	50	270	.15	.12	4000	.059
81-GRM40C681J50D	GRM40C0G681J050AD	5%	50	680	.17	.14	4000	.069
81-GRM40C222J50L	GRM40C0G222J050AL	5%	50	2200	.38	.30	3000	.151
81-GRM40C222F50L	GRM40C0G222F050AL	1%	50	2200	.91	.73	3000	.365
Temperature Coeff: X5R								
81-GRM40034X104K50L	GRM40034X7R104K050AL	10%	50	.1uF	.09	.07	3000	.037
81-GRM40034R475K6L	GRM40034X5R475K6.3AL	10%	6.3	4.7uF	.79	.63	3000	.31
Temperature Coeff: X7R								
81-GRM40X221K50D	GRM40X7R221K050AD	10%	50	220	.13	.10	4000	.052
81-GRM40X102K100D	GRM40X7R102K100AD	10%	100	1000	.10	.08	4000	.390
81-GRM40X222K50D	GRM40X7R222K050AD	10%	50	2200	.05	.04	4000	.021
81-GRM40X682K50D	GRM40X7R682K050AD	10%	50	6800	.07	.06	4000	.030
81-GRM40X103K25L	GRM40X7R103K025AL	10%	25	.01uF	.16	.13	4000	.065
81-GRM40X103M50D	GRM40X7R103M050AD	20%	50	.01uF	.06	.05	4000	.025
81-GRM40X103K100L	GRM40X7R103K100AL	10%	100	.01uF	.12	.09	3000	.047
81-GRM40X223K50D	GRM40X7R223K050AD	10%	50	.022uF	.08	.06	4000	.031
81-GRM40X473K25L	GRM40X7R473K025AL	10%	25	.047uF	.24	.19	4000	.094
81-GRM40X104K25L	GRM40X7R104K025AL	10%	25	.1uF	.10	.08	3000	.041
81-GRM40X104K25K	GRM40X7R104K025AK	10%	25	.1uF	.10	.08	4000	.041
81-GRM40X104K16D	GRM40X7R104K016AD	10%	16	.1uF	.13	.10	4000	.052
81-GRM40X154K16L	GRM40X7R154K016AL	10%	16	.15uF	.24	.19	3000	.095
81-GRM40X474K16D	GRM40X7R474K016AD	10%	16	.22uF	.24	.19	4000	.096
81-GRM40X224K16L	GRM40X7R224K016AL	10%	16	.22uF	.27	.21	3000	.106
81-GRM40X474K16L	GRM40X7R474K016AL	10%	16	.47uF	.34	.27	3000	.136
81-GRM40X474K25L	GRM40X7R474K025AL	10%	25	.47uF	.44	.35	3000	.175
81-GRM40X105K16L	GRM40X7R105K016AL	10%	16	1uF	.32	.26	3000	.129
81-GRM40R225K6.3L	GRM40X5R225K6.3AL	10%	6.3	2.2uF	.86	.66	3000	.332
Temperature Coeff: Y5V								
81-GRM40Y104Z50D	GRM40Y5V104Z050AD	+80-20	50	.1uF	.06	.05	4000	.025
81-GRM40Y474Z16L	GRM40Y5V474Z016AL	+80-20	16	.47uF	.21	.17	3000	.085
Temperature Coeff: Z5U								
81-GRM40Z104M50L	GRM40Z5U104M050AL	20%	50	.1uF	.12	.10	3000	.050
81-GRM40Z104M50D	GRM40Z5U104M050AD	20%	50	.1uF	.07	.06	4000	.028
81-GRM40Z103M50L	GRM40Z5U103M050AL	20%	50	.1uF	.10	.08	4000	.040

Style 1206

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Tol.±	WVDC	Value (pF)	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G								
81-GRM426C100C050L	GRM42-6C0G100C050AL	.25pF	50	10	.40	.32	4000	.161
81-GRM426C180J050D	GRM42-6C0G180J050AD	5%	50	18	.21	.16	4000	.082
81-GRM426C101J050D	GRM42-6C0G101J050AD	5%	50	100	.25	.20	4000	.101
81-GRM426C221J050D	GRM42-6C0G221J050AD	5%	50	220	.32	.26	4000	.128
81-GRM426C681J050D	GRM42-6C0G681J050AD	5%	50	680	.44	.35	4000	.177
81-GRM426C102J050D	GRM42-6C0G102J050AD	5%	50	1000	.53	.42	4000	.212

Style 1206 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Tol.±	WVDC	Value (pF)	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G (cont.)								
81-GRM426C102J050L	GRM42-6C0G102J050AL	5%	50	1000	.87	.70	3000	.393
Temperature Coeff: X5R								
81-GRM426R475K10L	GRM42-6X5R475K010AL	10%	10	4.7uF	.67	.54	2000	.337
Temperature Coeff: X7R								
81-GRM426X102K50D	GRM42-6X7R102K050AD	10%	50	1000	.25	.20	4000	.100
81-GRM426X103K50D	GRM42-6X7R103K050AD	10%	50	.01uF	.22	.18	4000	.088
81-GRM426X104K50D	GRM42-6X7R104K050AD	10%	50	.1uF	.14	.11	4000	.056
81-GRM426X104K50L	GRM42-6X7R104K050AL	10%	50	.1uF	.28	.22	3000	.126
81-GRM426X474K16D	GRM42-6X7R474K016AD	10%	16	.47uF	.54	.42	4000	.209
81-GRM426X474K25L	GRM42-6X7R474K025AL	10%	25	.47uF	.58	.46	3000	.259
81-GRM426X334K16L	GRM42-6X7R334K016AL	10%	16	33uF	.28	.22	3000	.125
Temperature Coeff: Y5V								
81-GRM426Y105Z16	GRM42-6Y5V105Z016AL	+80-20	16	1uF	.16	.13	3000	.072
81-GRM426Y105Z25	GRM42-6Y5V105Z025AL	+80-20	25	1uF	.20	.17	3000	.100

Style 1210

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Tol.±	WVDC	Value (pF)	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: X7R								
81-GRM422X104K100L	GRM42-2X7R104K100AL	10%	100	.1uF	.46	.37	2000	.232
81-GRM422X224K050L	GRM42-2X7R224K050AL	10%	50	.22uF	.61	.49	2000	.304
81-GRM422X475K16L	GRM42-2X7R475K016AL	10%	16	4.7uF	1.19	.95	1000	.71
Temperature Coeff: Y5V								
81-GRM422Y105Z025L	GRM42-2Y5V105Z025AL	+80-20	25	1uF	3.34	2.67	2000	1.67

Style 1812

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Tol.±	WVDC	Value (pF)	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: X7R								
81-GRM432X473K500	GRM43-2X7R473K500AL	10%	500	.047uF	1.75	1.40	500	1.23
81-GRM432X104K200	GRM43-2X7R104K200AL	10%	200	.1uF	2.25	1.80	1000	1.35
81-GRM432X334K250	GRM43-2X7R334K250AL	10%	250	.33uF	1.19	.95	1000	.710
81-GRM432X474K50	GRM43-2X7R474K050AL	10%	50	.47uF	1.74	1.40	1000	1.05
Temperature Coeff: Y5V								
81-GRM432Y105Z50L	GRM43-2Y5V105Z050AL	+80-20	50	1uF	4.48	3.59	2000	2.24

Style 2220

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Tol.±	WVDC	Value (pF)	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: X7R								
81-GRM44X105K250	GRM44X7R105K250AL	10%	250	1uF	3.66	2.93	1000	2.20

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Murata Ceramic Capacitors



Surface Mount Monolithic Ceramic Capacitors

VJ SERIES CERAMIC CHIP CAPACITORS

For quantities greater than listed, call for quote.

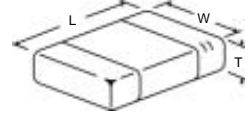
MOUSER STOCK NO.	Vishay Part No.	WVDC	Value (pF)	Tol.±	Temp. Coeff.	Price Each		Tape and Reel	
						1	100	Quantity	Price Per Piece
Style VJ0603									
77-VJ06A50V101J	VJ0603A101JXAAT	50	100	5%	NPO/COG	.14	.10	4000	.06
77-VJ06Y50V102K	VJ0603Y102KXAAT	50	1000	10%	X7R	.14	.10	4000	.06
77-VJ06Y50V472K	VJ0603Y472KXAAT	50	4700	10%	X7R	.14	.10	4000	.06
77-VJ06Y50V103K	VJ0603Y103KXAAT	50	10000	10%	X7R	.12	.08	4000	.055
77-VJ06Y25V473K	VJ0603Y473KXXAT	25	47000	10%	X7R	.14	.10	4000	.06
77-VJ06Y25V104K	VJ0603Y104KXXAT	25	100000	10%	X7R	.20	.14	4000	.086
77-VJ06U25V104M	VJ0603U104MXXAT	25	100000	20%	Z5U	.06	.05	4000	.028
Style VJ0805									
77-VJ08A100V100J	VJ0805A100JXBMT	100	10	5%	NPO/COG	.15	.11	3000	.07
77-VJ08A100V470J	VJ0805A470JXBMT	100	47	5%	NPO/COG	.15	.11	3000	.07
77-VJ08A100V820J	VJ0805A820JXBMT	100	82	5%	NPO/COG	.15	.11	3000	.07
77-VJ08A100V101J	VJ0805A101JXBMT	100	100	5%	NPO/COG	.15	.11	3000	.07
77-VJ08A100V471J	VJ0805A471JXBMT	100	470	5%	NPO/COG	.15	.11	3000	.07
77-VJ08A100V102J	VJ0805A102JXBMT	100	1000	5%	NPO/COG	.18	.12	3000	.08
77-VJ08Y100V102K	VJ0805Y102KXBMT	100	1000	10%	X7R	.15	.11	3000	.07
77-VJ08A50V102J	VJ0805A102JXAMT	50	1000	5%	NPO/COG	.23	.16	3000	.10
77-VJ08Y50V102J	VJ0805Y102JXAMT	50	1000	5%	X7R	.24	.17	3000	.11
77-VJ08Y50V332K	VJ0805Y332KXAMT	50	3300	10%	X7R	.13	.09	3000	.06
77-VJ08Y50V103K	VJ0805Y103KXAMT	50	10000	10%	X7R	.13	.09	3000	.06
77-VJ08Y50V223K	VJ0805Y223KXAMT	50	22000	10%	X7R	.19	.13	3000	.08
77-VJ08Y50V333K	VJ0805Y333KXAMT	50	33000	10%	X7R	.19	.13	3000	.08
77-VJ08Y50V104K	VJ0805Y104KXAMT	50	100000	10%	X7R	.13	.09	3000	.06
77-VJ08U50V104M	VJ0805U104MXAMT	50	100000	20%	Z5U	.11	.11	3000	.07
77-VJ08Y25V104K	VJ0805Y104KXXMT	25	100000	10%	X7R	.25	.18	3000	.12
77-VJ08V16V105Z	VJ0805V105ZXJMT	16	1000000	80,-20%	Y5V	.17	.12	3000	.07
Style VJ1206									
77-VJ12A100V100J	VJ1206A100JXBMT	100	10	5%	NPO/COG	.15	.11	3000	.07
77-VJ12A100V220J	VJ1206A220JXBMT	100	22	5%	NPO/COG	.15	.11	3000	.07
77-VJ12A100V470J	VJ1206A470JXBMT	100	47	5%	NPO/COG	.15	.11	3000	.07
77-VJ12A100V101J	VJ1206A101JXBMT	100	100	5%	NPO/COG	.15	.11	3000	.07
77-VJ12Y100V103K	VJ1206Y103KXBMT	100	10000	10%	X7R	.13	.09	3000	.06
77-VJ12Y100V223K	VJ1206Y223KXBMT	100	22000	10%	X7R	.19	.13	3000	.08
77-VJ12Y50V102K	VJ1206Y102KXAMT	50	1000	10%	X7R	.13	.09	3000	.06
77-VJ12Y50V222K	VJ1206Y222KXAMT	50	2200	10%	X7R	.13	.09	3000	.06
77-VJ12Y50V332K	VJ1206Y332KXAMT	50	3300	10%	X7R	.13	.09	3000	.06
77-VJ12Y50V103K	VJ1206Y103KXAMT	50	10000	10%	X7R	.13	.09	3000	.06
77-VJ12Y50V223K	VJ1206Y223KXAMT	50	22000	10%	X7R	.19	.13	3000	.08
77-VJ12Y50V473K	VJ1206Y473KXAMT	50	47000	10%	X7R	.19	.13	3000	.08
77-VJ12Y50V104K	VJ1206Y104KXAMT	50	100000	10%	X7R	.22	.14	3000	.11
77-VJ12U50V104M	VJ1206U104MXAMT	50	100000	20%	Z5U	.11	.07	3000	.045
77-VJ12U50V224M	VJ1206U224MXAMT	50	220000	20%	Z5U	.21	.13	3000	.10
77-VJ12V16V105Z	VJ1206V105ZXJMT	16	1000000	80,-20%	Y5V	.33	.23	3000	.13

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Features:

- Highest capacitance per case sizes
- Low ESR
- Termination: Nickel-Barrier
- Temperature coefficient of capacitance (TCC):
 - NPO/COG: 0 ± 30PPM/°C from -55°C to +125°C
 - X7R: ±15%, from -55°C to +125°C, w/ 0 VDC applied
 - Z5U: ±22%, from +10°C to +85°C
 - Y5V: ±22%, -82% from -30°C to +85°C
- Dissipation Factor:
 - NPO/COG: 0.1% max
 - X7R: 2.5% max
 - Z5U: 3.0% max
 - Y5V: 3.5% max



Case Size Dimensions (In.)

Style	L	W	T
VJ0603	.063±.005	.031±.005	.035 Max.
VJ0805	.079±.008	.049±.008	.051 Max.
VJ1206	.126±.008	.063±.008	.059 Max.

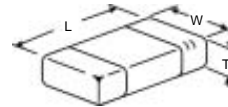
AVX CERAMIC CHIP CAPACITORS

Features:

- Temperature coefficient COG (NPO), X7R
- Voltage rating 50,100
- Preferred tolerances ± 5%, ± 10%, ± 20%
- Operating temperature range: -55°C to 125°C

Application Note:

A higher voltage capacitor may be used in a lower voltage application.
Also available in various voltages, tolerances, sizes, and temperature coefficients.



Dimensions mm (In)

Size	0603	0805	1206
(L)	1.60 ± .15	2.01 ± .20	3.20 ± .20
Length	(.063 ± .006)	(.079 ± .008)	(.126 ± .008)
(W)	.81 ± .15	1.25 ± .20	1.60 ± .20
Width	(.032 ± .006)	(.049 ± .08)	(.063 ± .008)
(T)	.90	1.30	1.50
Thickness	(.035)	(.051)	(.059)

MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Tol.	Volt	CAP pF	Price Each		4000 Piece Reel
						1	100	
Style 0603								
581-06035A180J	06035A180JAT2A	COG	5%	50	18	.09	.08	.04
581-06035A220J	06035A220JAT2A	COG	5%	50	22	.09	.08	.04
581-06035A270J	06035A270JAT2A	COG	5%	50	27	.09	.08	.04
581-06035A330J	06035A330JAT2A	COG	5%	50	33	.09	.08	.04
581-06035A680J	06035A680JAT2A	COG	5%	50	68	.15	.13	.07
581-06035A101J	06035A101JAT2A	COG	5%	50	100	.09	.08	.04
581-06035A271K	06035A271KAT2A	COG	10%	50	270	.14	.17	.07
581-06031A150J	06031A150JAT2A	COG	5%	100	15	.09	.08	.04
581-06031A330J	06031A330JAT2A	COG	5%	100	33	.09	.08	.04
581-06031A470K	06031A470KAT2A	COG	10%	100	47	.09	.08	.04
581-06031A680J	06031A680JAT2A	COG	5%	100	68	.15	.13	.07
581-06031A101K	06031A101KAT2A	COG	10%	100	100	.09	.08	.04
581-06035C221K	06035C221KAT2A	X7R	10%	50	220	.15	.13	.07
581-06035C331K	06035C331KAT2A	X7R	10%	50	330	.15	.13	.07
581-06035C471K	06035C471KAT2A	X7R	10%	50	470	.09	.08	.04
581-06035C681K	06035C681KAT2A	X7R	10%	50	680	.15	.13	.07
581-06035C102K	06035C102KAT2A	X7R	10%	50	1000	.09	.08	.04
581-06035C682K	06035C682KAT2A	X7R	10%	50	6800	.15	.13	.07
581-06035C103K	06035C103KAT2A	X7R	10%	50	10000	.09	.08	.04
581-06035C223K	06035C223KAT2A	X7R	10%	50	22000	.13	.11	.06
581-06031C222K	06031C222KAT2A	X7R	10%	100	2200	.09	.08	.04
581-06031C332K	06031C332KAT2A	X7R	10%	100	3300	.09	.08	.04
581-06031C472K	06031C472KAT2A	X7R	10%	100	4700	.15	.13	.07
Style 0805								
581-08055A100J	08055A100JAT2A	COG	5%	50	10	.10	.09	.04
581-08055A150J	08055A150JAT2A	COG	5%	50	15	.10	.09	.04
581-08055A180J	08055A180JAT2A	COG	5%	50	18	.10	.09	.04
581-08055A220J	08055A220JAT2A	COG	5%	50	22	.10	.09	.04
581-08055A270J	08055A270JAT2A	COG	5%	50	27	.10	.09	.04
581-08055A330J	08055A330JAT2A	COG	5%	50	33	.10	.09	.04
581-08055A390J	08055A390JAT2A	COG	5%	50	39	.10	.09	.04
581-08055A470J	08055A470JAT2A	COG	5%	50	47	.10	.09	.04
581-08055A560J	08055A560JAT2A	COG	5%	50	56	.10	.09	.04
581-08055A680J	08055A680JAT2A	COG	5%	50	68	.10	.09	.04
581-08055A820J	08055A820JAT2A	COG	5%	50	82	.17	.15	.07
581-08055A221J	08055A221JAT2A	COG	5%	50	220	.17	.15	.07
581-08055A331J	08055A331JAT2A	COG	5%	50	330	.17	.15	.07
581-08055A471J	08055A471JAT2A	COG	5%	50	470	.17	.15	.07

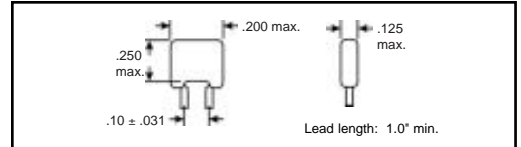
MOUSER STOCK NO.	AVX Part Number	Temp. Coeff.	Tol.	Volt	CAP pF	Price Each		4000 Piece Reel
						1	100	
Style 0805 (cont.)								
581-08055A681J	08055A681JAT2A	COG	5%	50	680	.19	.17	.08
581-08055A102J	08055A102JAT2A	COG	5%	50	1000	.23	.21	.10
581-08051A100J	08051A100JAT2A	COG	5%	100	10	.10	.09	.04
581-08051A101J	08051A101JAT2A	COG	5%	100	100	.10	.09	.04
581-08055C102K	08055C102KAT2A	X7R	10%	50	1000	.10	.08	.04
581-08055C152K	08055C152KAT2A	X7R	10%	50	1500	.17	.15	.07
581-08055C222K	08055C222KAT2A	X7R	10%	50	2200	.10	.08	.04
581-08055C332K	08055C332KAT2A	X7R	10%	50	3300	.17	.15	.07
581-08055C472K	08055C472KAT2A	X7R	10%	50	4700	.10	.08	.04
581-08055C103K	08055C103KAT2A	X7R	10%	50	10000	.10	.08	.04
581-08055C104K	08055C104KAT2A	X7R	10%	50	100000	.17	.14	.07
581-08051C102K	08051C102KAT2A	X7R	10%	100	1000	.10	.08	.04
Style 1206								
581-12065A100J	12065A100JAT2A	COG	5%	50	10	.25	.22	.11
581-12065A330J	12065A330JAT2A	COG	5%	50	33	.25	.22	.11
581-12065A470J								

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

MONOLITHIC CERAMIC RADIAL CAPACITORS

TEMPERATURE CHARACTERISTICS	C0G	X7R	Z5U
Temperature range, °C	-55°C to +125°C	-55°C to +125°C	+10°C to +85°C
Capacitance change without DC voltage	0±30 PPM/°C	±15%	+22%, -56%

DIMENSIONS (IN.)



For quantities 5000 and up, call for quote.

MOUSER STOCK NO.		Value	Price Each			
Mfr.	Mfr. Part No.		1	100	500	1000
50 WVDC 5% Tolerance						
75	1C10C0G100J050B	10pF	.21	.18	.15	.12
75	1C10C0G220J050B	22pF	.21	.18	.15	.12
75	1C10C0G330J050B	33pF	.21	.18	.15	.12
75	1C10C0G470J050B	47pF	.21	.18	.15	.12
75	1C10C0G101J050B	100pF	.21	.18	.15	.12
75	1C10C0G331J050B	330pF	.21	.18	.15	.12
75	1C10C0G471J050B	470pF	.21	.18	.15	.12
75	1C10C0G102J050B	1000pF	.21	.18	.15	.12
100 WVDC 5% Tolerance						
75	1C10C0G100J100B	10pF	.21	.18	.15	.12
75	1C10C0G220J100B	22pF	.21	.18	.15	.12
75	1C10C0G330J100B	33pF	.21	.18	.15	.12
75	1C10C0G470J100B	47pF	.21	.18	.15	.12
75	1C10C0G101J100B	100pF	.21	.18	.15	.12
75	1C10C0G221J100B	220pF	.21	.18	.15	.12

For quantities 5000 and up, call for quote.

MOUSER STOCK NO.		Value	Price Each			
Mfr.	Mfr. Part No.		1	100	500	1000
100 WVDC 5% Tolerance (cont.)						
75	1C10C0G331J100B	330pF	.21	.18	.15	.12
75	1C10C0G471J100B	470pF	.21	.18	.15	.12
75	1C10C0G102K100B	1000pF	.26	.22	.19	.15
75	1C10C0G222J100B	2200pF	.31	.27	.22	.18
75	1C10C0G332J100B	3300pF	.47	.40	.33	.27
50 WVDC 10% Tolerance						
75	1C10X7R102K050B	1000pF	.13	.11	.09	.07
75	1C10X7R103K050B	10000pF	.14	.12	.10	.08
75	1C10X7R104K050B	47000pF	.19	.17	.14	.11
75	1C10X7R104K050B	100000pF	.14	.12	.10	.08
100 WVDC 10% Tolerance						
75	1C10X7R102K100B	1000pF	.18	.16	.13	.10
75	1C10X7R222K100B	2200pF	.19	.17	.14	.11
75	1C10X7R332K100B	3300pF	.19	.17	.14	.11
75	1C10X7R472K100B	4700pF	.20	.17	.15	.12
75	1C10X7R103K100B	10000pF	.15	.13	.11	.09

For quantities 5000 and up, call for quote.

MOUSER STOCK NO.		Value	Price Each			
Mfr.	Mfr. Part No.		1	100	500	1000
100 WVDC 10% Tolerance (cont.)						
75	1C10X7R223K100B	22000pF	.20	.17	.15	.12
75	1C10X7R333K100B	33000pF	.20	.17	.15	.12
75	1C10X7R473K100B	47000pF	.20	.17	.15	.12
75	1C10X7R104K100B	100000pF	.23	.20	.17	.13
50 WVDC 20% Tolerance						
75	1C10Z5U103M050B	10000pF	.13	.11	.09	.07
75	1C10Z5U333M050B	33000pF	.15	.13	.11	.09
75	1C10Z5U104M050B	100000pF	.10	.08	.07	.06
75	1C10Z5U224M050B	220000pF	.25	.21	.18	.14
75	1C10Z5U334M050B	330000pF	.30	.26	.22	.17
100 WVDC 20% Tolerance						
75	1C10Z5U103M100B	10000pF	.16	.14	.12	.09
75	1C10Z5U223M100B	22000pF	.18	.15	.13	.10
75	1C10Z5U333M100B	33000pF	.19	.16	.14	.11
75	1C10Z5U473M100B	47000pF	.16	.14	.11	.09
75	1C10Z5U104M100B	100000pF	.19	.16	.14	.11

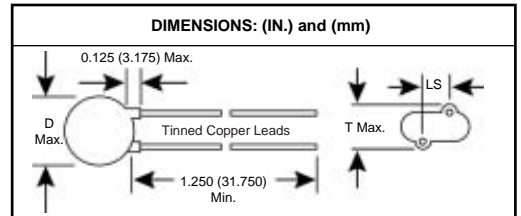
Ceramic Capacitors

AC LINE RATED, LINE BY-PASS AND ANTENNA COUPLING TYPES, X AND Y EMI/RFI FILTER

For quantities 200 and up, call for quote.

MOUSER STOCK NO.		Value	Case Code	Price Each			
Mfr.	Mfr. Part No.			1	25	50	100
250 V, 2kV DC							
75	125LD10	0.001uF	F	.33	.29	.25	.18
75	125LD47	0.0047uF	H	.58	.51	.44	.33
75	125LD50	0.005uF	H3	.59	.52	.44	.33
75	125LS10	0.01uF	L	.68	.60	.51	.38
75	125LS20	0.02uF	W	1.89	1.65	1.42	1.06
75	125LS30	0.03uF	X	2.15	1.88	1.61	1.21
75	125LS50	0.05uF	Y	2.64	2.31	1.98	1.49
250 V, 4kV DC							
75	440LT22	220pF	E	.41	.36	.31	.23
75	440LT33	330pF	F	.46	.41	.35	.26
75	440LD10	0.001uF	G3	.52	.45	.39	.29
75	440LD22	0.0022uF	G3	.64	.54	.48	.36
75	440LD33	0.0033uF	J	.74	.64	.55	.41
75	440LD47	0.0047uF	L	.65	.59	.52	.47
75	440LS10	0.01uF	P	.95	.85	.76	.69

Case Code	Diameter (Max.)	Lead Spacing
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
G3	.460 (11.5)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
W	.740 (18.5)	.375 (9.4)
X	.830 (20.8)	.375 (9.4)
Y	.940 (23.5)	.375 (9.4)



PERFORMANCE DATA

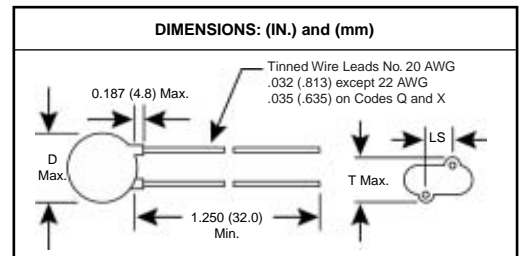
Test	125L	440L
Continuous Voltage Rating	250VAC, 2kVDC	250VAC, 4kVDC
Dielectric Strength	2000VAC, 4kVDC	3500VAC, 7kVDC
Dissipation Factor (@ + 25°C)	1.50%	1.00%
Case Breakdown/Flammability	2500 VAC; UL94v0; + 105 C	
Insulation Resistance (Min.)	1000Ω F	1000Ω F

564C SERIES CERAMIC DISC CAPACITORS, HIGH VOLTAGE

For quantities 200 and up, call for quote.

MOUSER STOCK NO.		Value	Case Code	Price Each			
Mfr.	Mfr. Part No.			1	25	50	100
3000 V							
75	30GAQ15	15pF	E	.36	.32	.27	.20
75	30GAQ22	22pF	E	.36	.32	.27	.20
75	30GAQ33	33pF	E	.36	.32	.27	.20
75	30GAQ47	47pF	E	.36	.32	.27	.20
75	30GAT10	100pF	E	.36	.32	.27	.20
75	30GAT15	150pF	E	.36	.32	.27	.20
75	30GAT22	220pF	E	.36	.32	.27	.20
75	30GAT27	270pF	E	.36	.32	.27	.20
75	30GAT47	470pF	E	.36	.32	.27	.20
75	30GAT68	680pF	E	.36	.32	.27	.20
75	30GAD10	0.001uF	E	.36	.32	.27	.20
75	30GAD15	0.0015uF	E	.41	.36	.31	.23
75	30GAD22	0.0022uF	F	.46	.41	.35	.26
75	30GAD33	0.0033uF	H	.56	.49	.42	.32
75	30GAD47	0.0047uF	J	.72	.63	.54	.41
75	30TSD47	0.0047uF	L	.80	.70	.60	.45
75	30GAS10	0.01uF	M	1.22	1.06	.91	.68
75	30GASS10	0.01uF	L	.90	.79	.68	.51
75	30GASS33	0.033uF	Q	2.89	2.53	2.17	1.62
6000 V							
75	60GAQ10	10pF	F3	.75	.65	.56	.42
75	60GAQ33	33pF	F3	.75	.65	.56	.42
75	60GAT10	100pF	F3	.75	.65	.56	.42
75	60GAT33	330pF	F3	.75	.65	.56	.42
75	60GAD10	0.001uF	F3	.75	.65	.56	.42
75	60GAD22	0.0022uF	H3	.92	.80	.69	.52
75	60GAD47	0.0047uF	M	2.24	1.96	1.68	1.26
75	60GAS10	0.01uF	P	2.48	2.17	1.86	1.40

Case Code	Diameter (Max.)	Lead Spacing
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
F3	.400 (10.0)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
M	.790 (19.8)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
Q	.950 (24.1)	.375 (9.4)



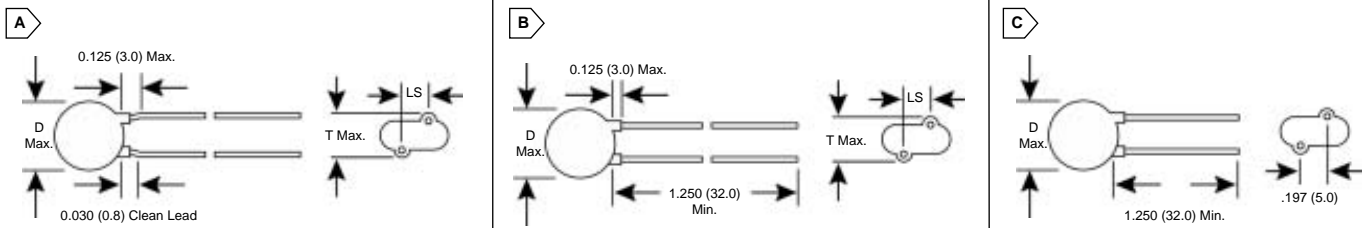
PERFORMANCE DATA

Test	30G	60G
Ambient Temperature Range	- 25°C to +85°C	
Voltage Rating	1000VAC, 4kVDC	1500VAC, 6kVDC
Dielectric Strength	1500VAC, 5250VDC	3000VAC, 10,500kVDC
Dissipation Factor (@ + 25°C)	2.0% max.	
Insulation Resistance (Minimum)	50,000 Meg Ω	75,000 Meg Ω

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LOW VOLTAGE 12 V to 1kV



DIMENSIONS (IN.) and (mm)

561C SERIES CERAMIC DISC CAPACITORS

MOUSER STOCK NO.		Value	Case Code	Figure	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
1kV NPO/N750 Precision Disc Capacitors								
75	10TCCV10	1pF	C	A	.31	.27	.23	.17
75	10TCCV22	2.2pF	C	A	.26	.23	.20	.15
75	10TCCV27	2.7pF	C	A	.28	.24	.21	.16
75	10TCCV33	3.3pF	C	A	.24	.21	.18	.14
75	10TCCV37	3.9pF	C	A	.28	.24	.21	.16
75	10TCCV49	4.7pF	C	A	.24	.21	.18	.14
75	10TCCV50	5pF	C	A	.24	.21	.18	.14
75	10TCCV68	6.8pF	C	A	.28	.24	.21	.16
75	10TCCQ10	10pF	C	A	.23	.20	.17	.13
75	10TCCQ12	12pF	C	A	.28	.24	.21	.16
75	10TCCQ15	15pF	C	A	.24	.21	.18	.14
75	10TCCQ18	18pF	E	A	.28	.24	.21	.16
75	10TCCQ20	20pF	E	A	.24	.21	.18	.14
75	10TCCQ22	22pF	E	A	.24	.21	.18	.14
75	10TCCQ25	25pF	E	A	.28	.24	.21	.16
75	10TCCQ27	27pF	F	A	.30	.26	.23	.17
75	10TCCQ30	30pF	F	A	.30	.26	.23	.17
75	10TCCQ33	33pF	F	A	.29	.25	.22	.16
75	10TCCQ39	39pF	F	A	.30	.26	.23	.17
75	10TCCQ47	47pF	G	B	.29	.25	.22	.16
75	10TCCQ50	50pF	G	B	.30	.26	.23	.17
75	10TCCQ56	56pF	G	B	.33	.29	.25	.19
75	10TCCQ68	68pF	H	B	.35	.30	.26	.20
75	10TCCQ82	82pF	H3	B	.44	.39	.33	.25
75	10TCC10	100pF	J	B	.44	.39	.33	.25
75	10TCC12	120pF	J	B	.51	.45	.38	.29
75	10TCC15	150pF	K	B	.51	.45	.38	.29
75	10TCC18	180pF	L	B	.72	.63	.54	.41
75	10TCC22	220pF	M	B	.82	.72	.62	.46

Case Code	Diameter (Max.)	Thickness (Max.)	Fig. 1 and 1a LS
C	.250 (6.3)	.156 (4.0)	.250 (6.3)
E	.290 (7.4)	.156 (4.0)	.250 (6.3)
F	.370 (9.4)	.156 (4.0)	.250 (6.3)
G	.440 (11.2)	.156 (4.0)	.250 (6.3)
H	.490 (12.4)	.156 (4.0)	.250 (6.3)
H3	.490 (12.4)	.156 (4.0)	.375 (9.5)
J	.560 (14.2)	.156 (4.0)	.375 (9.5)
K	.630 (16.0)	.156 (4.0)	.375 (9.5)

Case Code	Diameter (Max.)	Thickness (Max.)	Fig. 1 and 1a LS
L	.680 (17.3)	.156 (4.0)	.375 (9.5)
M	.760 (19.3)	.156 (4.0)	.375 (9.5)
P	.890 (22.6)	.156 (4.0)	.375 (9.5)
R	.510 (12.6)	.200 (5.1)	.250 (6.3)
U	.640 (16.3)	.200 (5.1)	.375 (9.5)
W	.700 (17.8)	.200 (5.1)	.375 (9.5)
X	.770 (19.6)	.200 (5.1)	.375 (9.5)
Q	.950 (24.1)	.200 (5.1)	.375 (9.5)

562C SERIES CERAMIC DISC CAPACITORS (Cont.)

MOUSER STOCK NO.		Value	Case Code	Figure	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
1000 V General Purpose								
75	5GAQ10	10pF	C	A	.22	.19	.17	.13
75	5GAQ20	20pF	C	A	.24	.21	.18	.14
75	5GAQ33	33pF	E	A	.24	.21	.18	.14
75	5GAQ47	47pF	E	A	.24	.21	.18	.14
75	5GAT10	100pF	C	A	.19	.16	.14	.11
75	5GAT15	150pF	C	A	.22	.19	.17	.13
75	5GAT20	200pF	C	A	.22	.19	.17	.13
75	5GAT22	220pF	C	A	.20	.17	.15	.11
75	5GAT33	330pF	C	A	.21	.19	.16	.12
75	5GAT47	470pF	C	A	.21	.19	.16	.12
75	5GAT50	500pF	C	A	.23	.20	.17	.13
75	5GAD10	0.001uF	E	A	.18	.16	.14	.10
75	5HKD10	0.001uF	E	A	.19	.16	.14	.11
75	5GAD15	0.0015uF	E	A	.22	.20	.17	.13
75	5GAD20	0.002uF	E	A	.22	.19	.17	.13
75	5GAD22	0.0022uF	E	B	.22	.19	.17	.13
75	5GAD30	0.003uF	E	B	.24	.21	.18	.14
75	5GAD33	0.0033uF	E	B	.24	.21	.18	.14
75	5GAD47	0.0047uF	F	B	.24	.21	.18	.14
75	5GAD50	0.005uF	F	B	.23	.20	.17	.13
75	5GAD68	0.0068uF	G	B	.31	.27	.23	.17
75	5GAD82	0.0082uF	H	B	.38	.33	.28	.21
75	5GAS10	0.01uF	H3	B	.35	.30	.26	.20
75	5HKMS10	0.01uF	H	B	.32	.28	.24	.18
75	5HKS10	0.01uF	H3	B	.42	.36	.31	.23
75	5GAS15	0.015uF	J	B	.44	.39	.33	.25
75	5GAS20	0.02uF	L	B	.48	.42	.36	.27
75	10HKS50	0.05uF	X	B	1.48	1.30	1.11	.83
75	10GAP10	0.1uF	Q	B	1.86	1.63	1.40	1.05
1kV Temperature and Voltage Stabilized								
75	10TSQ10	10pF	C	A	.21	.19	.16	.12
75	10TSQ33	33pF	E	A	.23	.20	.17	.13
75	10TSQ47	47pF	E	A	.23	.20	.17	.13
75	10TST10	100pF	C	A	.20	.18	.15	.11
75	10TST15	150pF	C	A	.22	.19	.17	.13
75	10TST22	220pF	C	A	.21	.19	.16	.12
75	10TST27	270pF	C	A	.22	.19	.17	.13
75	10TST33	330pF	C	A	.21	.19	.16	.12
75	10TST39	390pF	C	A	.23	.20	.17	.13
75	10TST47	470pF	C	A	.23	.20	.17	.13
75	10TST50	500pF	C	A	.23	.20	.17	.13
75	10TST68	680pF	E	A	.23	.20	.17	.13
75	10TSD10	1000pF	E	A	.23	.20	.17	.13
75	10TSD15	1500pF	G	B	.32	.28	.24	.18
75	10TSD20	2000pF	H3	B	.32	.28	.24	.18
75	10TSD47	4700pF	L	B	.52	.46	.39	.29
75	10TSS10	0.01uF	K	B	.81	.71	.61	.45

562C SERIES CERAMIC DISC CAPACITORS

MOUSER STOCK NO.		Value	Case Code	Figure	Price Each			
Mfr.	Mfr. Part No.				1	25	50	100
100 V General Purpose								
75	TST10	100pF	C	C	.21	.19	.16	.12
75	TST22	220pF	C	C	.21	.19	.16	.12
75	TST33	330pF	C	C	.22	.19	.17	.13
75	TST47	470pF	C	C	.21	.19	.16	.12
75	TSD10	0.001uF	C	C	.20	.18	.15	.11
75	TSD50	0.005uF	E	B	.41	.36	.31	.23
75	TGS10	0.01uF	F	B	.18	.15	.13	.10
75	TGS20	0.02uF	G	B	.26	.23	.20	.15
75	TGS50	0.05uF	R	B	.86	.75	.64	.48
75	TGP10	0.1uF	W	B	.56	.50	.47	.45
500 V General Purpose								
75	5TSD10	0.001uF	E	A	.22	.19	.17	.13
75	5TSD33	0.0033uF	G	B	.29	.25	.22	.16
75	5TSD47	0.0047uF	H	B	.35	.31	.26	.20
75	5TSS10	0.01uF	J	B	.40	.35	.30	.23
75	5GASS10	0.01uF	G	B	.27	.23	.20	.15
75	5HKSS10	0.01uF	G	B	.26	.23	.20	.15
75	5GASS20	0.02uF	J	B	.36	.32	.27	.20
75	5GASS50	0.05uF	P	B	.75	.66	.56	.42
75	5HKS50	0.05uF	U	B	1.27	1.11	.95	.71
75	5GAP10	0.1uF	X	B	1.69	1.48	1.27	.95
75	5HKP10	0.1uF	X	B	1.63	1.43	1.22	.92

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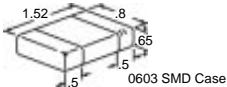
Passive Components

Xicon Surface Mount Multilayer Ceramic Capacitors

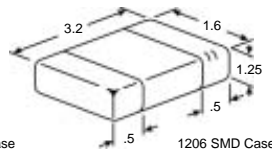
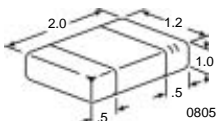
Features:

- Miniature in size, high capacitance to volume ratio
- Standard tape and reel
- High mounting density
- Non-polar design
- 50 volt rating

Part Legend: 140 - CC 50 4 N 101 J



DIMENSIONS (mm)



To Order Reels:
Add "REEL" to
MOUSER STOCK NO.



TEMPERATURE COEFFICIENT: NPO

For quantities of 20+ reels, call for quote.

MOUSER STOCK NO.	Value (pFd)	Tol±	Price Each		Reel Qty.	Price Per Piece		
			1	100		4000	8000	10000
0603 SMD Case 50 Volt								
140-CC504N1.0C	1	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N1.5C	1.5	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N2.0C	2	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N2.2C	2.2	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N3.0C	3	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N3.3C	3.3	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N3.9C	3.9	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N4.0C	4	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N4.7C	4.7	.25pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N5.0D	5	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N6.0D	6	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N6.8D	6.8	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N7.0D	7	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N8.0D	8	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N9.0D	9	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N10.0D	10	.5pf	.096	.054	4000	0.033	0.028	0.024
140-CC504N12.0J	12	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N15.0J	15	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N18.0J	18	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N22.0J	22	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N27.0J	27	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N33.0J	33	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N39.0J	39	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N47.0J	47	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N56.0J	56	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N68.0J	68	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N82.0J	82	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N101.0J	100	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N121.0J	120	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N151.0J	150	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N181.0J	180	5%	.096	.054	4000	0.033	0.028	0.024
140-CC504N221.0J	220	5%	.096	.054	4000	0.033	0.028	0.024
0805 SMD Case 50 Volt								
140-CC501N0.5C	0.5pF	.25pF	.096	.052	4000	0.028	0.026	0.022
140-CC501N1.0C	1.0pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N1.5C	1.5pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N2.0C	2.0pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N2.2C	2.2pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N3.0C	3.0pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N3.3C	3.3pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N3.9C	3.9pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N4.0C	4.0pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N4.7C	4.7pF	.25pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N5.0D	5.0pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N6.0D	6.0pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N6.8D	6.8pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N7.0D	7.0pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N8.0D	8.0pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N9.0D	9.0pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N10.0D	10pF	.5pF	.084	.052	4000	0.028	0.026	0.022
140-CC501N12.0J	12pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N15.0J	15pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N18.0J	18pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N22.0J	22pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N27.0J	27pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N33.0J	33pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N39.0J	39pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N47.0J	47pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N56.0J	56pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N68.0J	68pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N82.0J	82pF	5%	.084	.052	4000	0.028	0.026	0.022
140-CC501N101.0J	100pF	5%	.096	.052	4000	0.028	0.026	0.022
140-CC501N121.0J	120pF	5%	.096	.052	4000	0.028	0.026	0.022
140-CC501N151.0J	150pF	5%	.096	.052	4000	0.028	0.026	0.022
140-CC501N181.0J	180pF	5%	.096	.052	4000	0.028	0.026	0.022
140-CC501N221.0J	220pF	5%	.096	.052	4000	0.028	0.026	0.022
140-CC501N271.0J	270pF	5%	.096	.052	4000	0.030	0.027	0.025
140-CC501N331.0J	330pF	5%	.096	.052	4000	0.030	0.027	0.025
140-CC501N391.0J	390pF	5%	.110	.056	4000	0.035	0.032	0.029
140-CC501N471.0J	470pF	5%	.110	.056	4000	0.035	0.032	0.029
140-CC501N561.0J	560pF	5%	.120	.057	4000	0.036	0.033	0.030
140-CC501N681.0J	680pF	5%	.130	.063	4000	0.043	0.039	0.035
140-CC501N821.0J	820pF	5%	.150	.070	4000	0.050	0.045	0.041
140-CC501N102.0J	1000pF	5%	.170	.090	4000	0.058	0.053	0.048



TEMPERATURE COEFFICIENT: X7R

For quantities of 20+ reels, call for quote.

0603 SMD Case 50 Volt								
140-CC504B221K	220	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B271K	270	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B331K	330	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B391K	390	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B471K	470	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B561K	560	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B681K	680	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B821K	820	10%	.084	.042	4000	0.023	0.021	0.019



TEMPERATURE COEFFICIENT: X7R

For quantities of 20+ reels, call for quote.

MOUSER STOCK NO.	Value (pFd)	Tol±	Price Each		Reel Qty.	Price Per Piece		
			1	100		4000	8000	10000
0603 SMD Case 50 Volt (cont.)								
140-CC504B102K	1000	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B122K	1200	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B152K	1500	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B182K	1800	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B222K	2200	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B272K	2700	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B332K	3300	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B392K	3900	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B472K	4700	10%	.084	.042	4000	0.023	0.021	0.019
140-CC504B562K	5600	10%	.120	.062	4000	0.038	0.032	0.030
140-CC504B682K	6800	10%	.120	.062	4000	0.038	0.032	0.030
140-CC504B822K	8200	10%	.120	.062	4000	0.038	0.032	0.030
140-CC504B103K	10000	10%	.120	.062	4000	0.038	0.032	0.030
0805 SMD Case 50 Volt								
140-CC501B221K	220pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC501B271K	270pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC501B331K	330pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC501B391K	390pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC501B471K	470pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC501B561K	560pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC501B681K	680pF	10%	.072	.036	4000	0.020	0.019	0.018
140-CC50								

EIA CLASS 2 DISC CERAMIC CAPACITORS



- Features:**
- Meets EIA Standards.
 - Non-linear Temperature Coefficient.
 - Stable Temperature Characteristics.
 - Larger capacitance in smaller package than Class 1 type.

- Specifications:**
- Y5P:**
- Temperature range: -30 C to +85 C
 - Dissipation Factor: 2.5%
 - Standard Tolerance: +/- 10%

- Z5U / Z5V:**
- Temperature range: +10 C +85 C
 - Dissipation Factor: 5%
 - Standard Tolerance: +/- 20% or +80%-20%

50 Volt For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: ±10% Temperature Coefficient: Y5P						
140-50P2-101K	100	5	2.5	.06	.034	.031
140-50P2-121K	120	5	2.5	.06	.034	.031
140-50P2-151K	150	5	2.5	.06	.034	.031
140-50P2-181K	180	5	2.5	.06	.034	.031
140-50P2-201K	200	5	2.5	.06	.034	.031
140-50P2-221K	220	5	2.5	.06	.034	.031
140-50P2-271K	270	5	2.5	.06	.034	.031
140-50P2-331K	330	5	2.5	.08	.034	.031
140-50P2-391K	390	5	2.5	.06	.034	.031
140-50P2-471K	470	5	2.5	.08	.034	.031
140-50P2-561K	560	5	2.5	.06	.034	.031
140-50P2-681K	680	5	2.5	.06	.034	.031
140-50P2-821K	820	5	2.5	.06	.034	.031
140-50P2-102K	1000	5	2.5	.08	.034	.031
140-50P2-122K	1200	5	2.5	.06	.034	.031
140-50P2-152K	1500	5	2.5	.06	.034	.031
140-50P5-182K	1800	5	5	.06	.034	.031
140-50P5-202K	2000	5	5	.08	.04	.038
140-50P5-222K	2200	5	5	.08	.04	.038
140-50P5-272K	2700	6	5	.08	.04	.038
140-50P5-332K	3300	7.5	5	.08	.04	.038
140-50P5-392K	3900	7.5	5	.08	.04	.038
140-50P5-472K	4700	8.5	5	.08	.04	.038
140-50P5-562K	5600	8.5	5	.08	.04	.038
140-50P5-682K	6800	9.5	5	.12	.065	.058
140-50P5-103K	10000	16	5	.15	.09	.085
Tolerance: ±20% Temperature Coefficient: Y5P						
140-CD50P6-502M	5000	8.5	6.4	.14	.048	.045
Tolerance: ±20% Temperature Coefficient: Z5U						
140-50Z5-102M	1000	5	5	.07	.022	.021
140-50Z5-202M	2000	5.5	5	.07	.022	.021
140-50Z5-222M	2200	5	5	.07	.022	.021
140-50Z5-472M	4700	6.6	5	.07	.022	.021
140-50Z2-103M	10000	7.5	5	.08	.023	.022
140-50Z5-103M	10000	7.5	5	.08	.023	.022
140-50Z5-203M	20000	10.5	5	.11	.052	.041
140-50Z5-223M	22000	10.5	5	.11	.052	.041
Tolerance: +80% to -20% Temperature Coeff.: Z5V						
140-50Q5-102Z	1000	5	5	.07	.021	.02
140-50Q5-103Z	10000	6.5	5	.075	.022	.021
140-50Q5-223Z	22000	7.5	5	.15	.048	.045
140-50Q5-473Z	47000	10.5	5	.13	.095	.065
140-50Q9-104Z	100000	16	9.5	.26	.22	.20

100 Volt For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: +80% to -20% Temp. Coefficient: Z5U						
140-100Z5-102Z	1000	5	5	.085	.04	.036
140-100Z5-472Z	4700	5	5	.085	.04	.036
140-100Z5-103Z	10000	7.5	5	.09	.048	.041
140-100Z5-203Z	20000	7.5	5	.12	.057	.054
140-100Z5-223Z	22000	10.5	5	.12	.061	.056
140-100Z9-473Z	47000	12	9.5	.16	.130	.120
140-100Z9-503Z	50000	10.5	9.5	.19	.11	.10
140-100Q9-104Z	100000	16.5	9.5	.28	.23	.21

500 Volt For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: ±20% Temperature Coeff.: Y5F and Y5P						
140-CD500F6-012M	12	5.5	6.4	.14	.05	.045
140-CD500F6-039M	39	8.5	6.4	.14	.05	.045

500 Volt (cont.) For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: ±20% Temperature Coefficient: Y5F & Y5P						
140-CD500F6-056M	56	8.5	6.4	.14	.05	.045
140-500P5-101K	100	5	5	.11	.05	.046
140-500P5-121K	120	5	5	.11	.05	.046
140-500P5-151K	150	5	5	.11	.05	.046
140-500P5-181K	180	5	5	.11	.05	.046
140-CD500F6-201M	200	10	6.4	.14	.055	.046
140-500P5-221K	220	5	5	.14	.055	.046
140-500P5-251K	250	5	5	.11	.05	.046
140-500P5-271K	270	5	5	.11	.05	.046
140-500P5-331K	330	6	5	.11	.05	.046
140-500P5-391K	390	6	5	.11	.05	.046
140-500P5-471K	470	5	5	.14	.06	.05
140-500P5-501K	500	6	5	.11	.05	.046
140-500P5-561K	560	6	5	.11	.06	.057
140-500P5-681K	680	10	5	.14	.06	.057
140-500P5-102K	1000	6	5	.13	.10	.078
140-500P5-152K	1500	7.5	5	.13	.10	.078
140-500P5-182K	1800	7.5	5	.13	.10	.078
140-500P5-222K	2200	8.5	5	.13	.10	.078
140-500P5-272K	2700	8.5	5	.13	.10	.078
140-500P5-332K	3300	9.5	5	.16	.12	.093
140-500P5-392K	3900	9.5	5	.16	.12	.093
140-500P5-472K	4700	10.5	5	.19	.15	.12
140-500P9-562K	5600	10.5	9.5	.19	.15	.12
140-500P9-682K	6800	12	9.5	.20	.17	.13
140-500P5-822K	8200	12	5	.20	.17	.13
140-500P9-103K	10000	12	9	.22	.18	.14
Tolerance: +80% to -20% Temp. Coeff.: Z5U						
140-500Z5-102Z	1000	5	5	.15	.047	.045
140-500Z5-222Z	2200	5	5	.15	.047	.045
140-CD500Z6-302Z	3000	7.5	6.4	.16	.047	.045
140-500Z5-472Z	4700	8.5	5	.16	.06	.053
140-500Z5-103Z	10000	10.5	5	.17	.08	.072
140-500Z9-223Z	22000	15	9.5	.25	.13	.11

1000 Volt For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: ±10% Temperature Coefficient: Y5P						
140-102P6-101K	100	6.5	6.4	.10	.055	.053
140-102P6-121K	120	6.5	6.4	.10	.055	.053
140-102P6-151K	150	6.5	6.4	.10	.055	.053
140-102P6-181K	180	6.5	6.4	.10	.055	.053
140-102P6-221K	220	6.5	6.4	.10	.055	.053
140-102P6-271K	270	6.5	6.4	.10	.055	.053
140-102P6-301K	300	6.5	6.4	.10	.055	.053
140-102P6-331K	330	6.5	6.4	.10	.055	.053
140-102P6-391K	390	6.5	6.4	.10	.055	.053
140-102P6-471K	470	6.5	6.4	.10	.055	.053
140-102P6-561K	560	6.5	6.4	.10	.055	.053
140-102P6-681K	680	6.5	6.4	.16	.10	.088
140-102P6-821K	820	6.5	6.4	.16	.10	.088
140-102P6-102K	1000	6.5	6.4	.16	.10	.088
140-102P6-122K	1200	8.5	6.4	.26	.21	.18
140-102P6-152K	1500	8.5	6.4	.26	.21	.18
140-102P6-182K	1800	9	6.4	.26	.21	.18
140-102P6-222K	2200	9.5	6.4	.26	.21	.18
140-102P6-272K	2700	11	6.4	.26	.21	.18
140-102P6-302K	3000	11	6.4	.26	.21	.18
140-102P6-332K	3300	11	6.4	.34	.23	.21
140-102P9-472K	4700	15	9.5	.45	.39	.26
140-102P9-562K	5600	15	9.5	.52	.41	.34
140-102P9-682K	6800	17	9.5	.52	.41	.34
140-102P9-822K	8200	17	9.5	.76	.61	.49
140-102P9-103K	10000	19	9.5	.90	.69	.54

2000 Volt For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: ±10% Temperature Coefficient: Y5P						
140-202P6-101K	100	7	6.4	.12	.06	.057
140-202P6-121K	120	7	6.4	.12	.06	.056
140-202P6-151K	150	7	6.4	.12	.06	.056
140-202P6-181K	180	7	6.4	.12	.06	.056
140-202P6-221K	220	7	6.4	.12	.06	.056
140-202P6-331K	330	7	6.4	.12	.06	.056
140-202P6-391K	390	7	6.4	.12	.09	.071
140-202P6-471K	470	7	6.4	.18	.095	.091
140-202P6-681K	680	7	6.4	.18	.095	.091
140-202P6-821K	820	8.5	6.4	.18	.095	.091
140-202P6-102K	1000	8.5	6.4	.22	.115	.11
140-202P6-122K	1200	10	6.4	.24	.14	.12
140-202P6-152K	1500	10	6.4	.36	.29	.24
140-202P6-182K	1800	12	6.4	.39	.31	.25
140-202P6-222K	2200	12	6.4	.45	.39	.34
140-202P6-272K	2700	12	9.5	.55	.49	.43
140-202P9-332K	3300	15	9.5	.89	.76	.65
140-202P9-472K	4700	15	9.5	1.05	.99	.91
140-202P9-682K	6800	16	9.5	1.1	1.02	.96
140-202P9-822K	8200	16	9.5	1.18	1.09	1.01
140-202P9-103K	10000	19	9.5	1.25	1.17	1.09

3000 Volt For quantities of 1000 and up, call for quote.

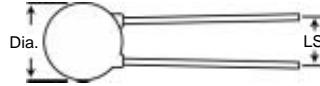
MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	200	400
Tolerance: ±10% Temperature Coefficient: Y5P						
140-CD302P9-101K	100	7	9.5	.38	.29	.28
140-302P6-101K	100	7	6.4	.30	.22	.17
140-302P6-121K	120	7	6.4	.30	.22	.17
140-302P6-151K	150	7	6.4	.30	.22	.17
140-302P6-181K	180	7	6.4	.30	.22	.17
140-302P6-221K	220	7	6.4	.30	.22	.17
140-302P6-331K	330	8	6.4	.32	.24	.185
140-302P6-471K	470	8	6.4	.35	.28	.215
140-302P6-681K	680	9	6.4	.35	.28	.22
140-302P6-821K	820	10	6.4	.45	.41	.37
140-302P9-122K	1200	12	9.5	.65	.59	.48
140-302P9-152K	1500	12	9.5	.65	.59	.48
140-302P9-182K	1800	14	9.5			

Xicon Class 1 and 3 Ceramic Disc Capacitors



EIA CLASS 1 TEMPERATURE COMPENSATING

DIMENSIONS (mm)



Specifications:

- SL:**
- Temperature coefficient: -700 + 350 ppm
 - Temperature range: -55°C to +85°C
- NPO:**
- Temperature coefficient: +/- 30 ppm
 - Temperature range: -55°C to +85°C

Features:

- Meets EIA standards
- Linear temperature coefficient
- Temperature stable
- Wide frequency range

50 Volt Tolerance: ±5%

Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-CD50S2-043J	43	5.0	2.5	.07	.023	.022
140-50S2-470J	47	5.0	2.5	.07	.029	.026
140-50S2-510J	51	5.0	2.5	.05	.029	.026
140-50S2-560J	56	5.0	2.5	.05	.029	.026
140-50S2-680J	68	5.0	2.5	.07	.029	.026
140-50S2-750J	75	5.0	2.5	.05	.029	.026
140-50S2-820J	82	5.0	2.5	.05	.029	.026
140-50S2-910J	91	5.0	2.5	.05	.029	.026
140-50S5-101J	100	5.0	5.0	.05	.029	.026
140-50S2-121J	120	5.0	2.5	.05	.029	.026
140-50S5-121J	120	5.0	5.0	.05	.029	.026
140-50S5-131J	130	5.0	5.0	.07	.029	.026
140-50S5-151J	150	5.0	2.5	.05	.029	.026
140-50S5-151J	150	5.0	5.0	.07	.029	.026
140-50S5-181J	180	6.0	5.0	.06	.045	.036
140-50S5-201J	200	6.0	5.0	.06	.045	.036
140-50S5-221J	220	8.0	5.0	.06	.045	.036
140-50S5-241J	240	7.5	5.0	.06	.045	.036
140-50S5-271J	270	7.5	5.0	.06	.045	.036
140-50S5-301J	300	7.5	5.0	.06	.045	.036
140-50S5-331J	330	7.5	5.0	.07	.055	.042
140-50S5-391J	390	8.5	5.0	.08	.065	.048
140-50S5-471J	470	8.0	5.0	.08	.065	.048
140-50S5-561J	560	9.5	5.0	.09	.07	.053
140-50S5-681J	680	9.5	5.0	.09	.07	.053
140-50S5-821J	820	9.5	5.0	.09	.07	.053
140-50S9-102J	1000	12.5	9.5	.14	.077	.07

50 Volt Tolerance: ±5%

Temperature Coefficient: NPO

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-50N5-1R0D	1.0	5.0	5.0	.06	.032	.029
140-50N5-2R2D	2.2	5.0	5.0	.06	.032	.029
140-50N5-4R7D	4.7	5.0	5.0	.06	.032	.029
140-50N5-100J	10	5.0	5.0	.06	.032	.029
140-50N5-120J	12	5.0	5.0	.06	.032	.029
140-50N2-150J	15	5.0	2.5	.06	.032	.029
140-50N2-180J	18	5.0	2.5	.06	.032	.029
140-50N5-200J	20	5.0	5.0	.06	.032	.029
140-50N5-220J	22	5.0	5.0	.06	.032	.029
140-50N2-220J	22	5.0	2.5	.06	.032	.029
140-50N2-270J	27	5.0	2.5	.07	.032	.029
140-50N5-300J	30	5.0	5.0	.06	.032	.029
140-50N5-330J	33	5.0	5.0	.06	.032	.029
140-50N2-390J	39	5.0	2.5	.06	.032	.029
140-50N5-470J	47	5.0	5.0	.06	.032	.029
140-50N5-510J	51	6.0	5.0	.06	.032	.029
140-50N2-560J	56	6.0	2.5	.06	.032	.029
140-50N2-680J	68	6.0	2.5	.07	.038	.034
140-50N2-820J	82	7.5	2.5	.07	.038	.034

50 Volt Tolerance: ±5%

Temperature Coefficient: NPO

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-50N5-101J	100	7.5	5.0	.08	.045	.038
140-50N5-121J	120	8.5	5.0	.08	.045	.038
140-50N5-151J	150	8.5	5.0	.10	.056	.045
140-50N5-181J	180	9.5	5.0	.12	.065	.054
140-50N5-221J	220	10.5	5.0	.12	.065	.054
140-50N5-271J	270	10.5	5.0	.12	.065	.054

50 Volt Tolerance: ±20%

Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-CD50S6-047M	47	5.0	6.4	.06	.032	.028
140-CD50S6-301M	300	10	6.4	.08	.045	.036
140-CD50S6-331M	330	10	6.3	.09	.05	.04

100 Volt Tolerance: ±5%

Temperature Coefficient: NPO

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-100N2-1R0D	1	5.0	2.5	.07	.041	.037
140-100N2-2R2D	2.2	5.0	2.5	.07	.041	.037
140-100N2-4R7D	4.7	5.0	2.5	.07	.041	.037
140-100N2-100J	10	5.0	2.5	.09	.041	.037
140-100N2-150J	15	5.0	2.5	.07	.041	.037
140-100N2-200J	20	5.0	2.5	.07	.041	.037
140-100N5-220J	22	5.0	5.0	.09	.041	.037
140-100N5-270J	27	5.0	5.0	.07	.041	.037
140-100N5-300J	30	5.0	5.0	.07	.041	.037
141-100N5-030J	30	6.3	5.0	.09	.032	.031
140-100N5-330J	33	5.0	5.0	.09	.041	.037
140-100N5-390J	39	5.0	5.0	.07	.041	.037
140-100N5-470J	47	5.0	5.0	.07	.041	.037
140-100N5-560J	56	6.0	5.0	.09	.07	.055
140-100N5-680J	68	6.0	5.0	.09	.07	.055
140-100N5-101J	100	7.5	5.0	.15	.11	.085

500 Volt Tolerance: ±5%

Temperature Coefficient: NPO

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-500N2-1R0C	1	6.0	2.5	.08	.07	.05
140-500N2-2R2C	2.2	6.0	2.5	.08	.07	.05
140-500N2-4R7C	4.7	6.0	2.5	.08	.07	.05
140-500N2-5R6D	5.6	6.0	2.5	.08	.07	.05
140-500N2-6R8D	6.8	6.0	2.5	.100	.07	.05
140-500N2-8R2D	8.2	6.0	2.5	.08	.07	.05
140-500N2-100J	10	6.0	2.5	.08	.07	.05
140-500N2-120J	12	6.0	2.5	.08	.07	.05
140-500N5-150J	15	6.0	5.0	.08	.07	.05
140-500N5-180J	18	8.0	5.0	.08	.07	.05

500 Volt Tolerance: ±5%

Temperature Coefficient: NPO

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-500N5-200J	20	6.0	5.0	.08	.07	.05
140-500N5-220J	22	6.0	5.0	.08	.07	.05
140-500N5-270J	27	6.0	5.0	.08	.07	.05
140-500N5-330J	33	6.0	5.0	.16	.10	.075
140-500N5-390J	39	7.5	5.0	.12	.10	.075
141-500N5-039J	39	10	5.0	.17	.057	.056
140-500N5-470J	47	7.5	5.0	.12	.10	.075
140-500N5-560J	56	7.5	5.0	.12	.10	.075
140-500N5-680J	68	7.5	5.0	.12	.10	.075
140-500N5-820J	82	7.5	5.0	.17	.15	.11
140-500N5-101J	100	10.5	5.0	.17	.15	.11

500 Volt Tolerance: ±10%

Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-500S5-470K	47	5.0	5.0	.10	.078	.05
140-500S5-560K	56	5.0	5.0	.10	.078	.05
140-500S5-680K	68	5.0	5.0	.10	.078	.05
140-500S5-820K	82	5.0	5.0	.10	.078	.05
140-500S5-101K	100	5.0	5.0	.10	.078	.05
140-500S5-121K	120	6.0	5.0	.10	.078	.05
140-500S5-151K	150	6.0	5.0	.10	.078	.05
140-500S5-181K	180	7.5	5.0	.15	.13	.10
140-500S5-221K	220	7.5	5.0	.15	.13	.10

1000 Volt Tolerance: ±10%

Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-102N6-100J	10	6.5	6.35	.10	.07	.055
140-102N6-220J	22	6.5	6.35	.10	.07	.055
140-102N6-330J	33	6.5	6.35	.10	.07	.055
140-102S6-470J	47	6.5	6.35	.10	.07	.063
140-102S6-101J	100	6.5	6.35	.14	.09	.08
140-102S6-101K	100	8.5	6.35	.14	.09	.08
140-102S6-151J	150	8.5	6.35	.16	.11	.085
140-102S6-181J	180	9.5	6.35	.18	.13	.092
140-102S6-221J	220	9.5	6.35	.18	.13	.081
140-102S6-221K	220	9.5	6.35	.18	.13	.081
140-102S6-331J	330	9.5	6.35	.23	.17	.105
140-102S6-331K	330	9.5	6.35	.23	.17	.105
140-102S6-471J	470	13	6.35	.23	.17	.105
140-102S6-471K	470	13	6.35	.23	.17	.105
140-102S6-561J	560	13	6.35	.25	.22	.15
140-102S6-681J	680	16	6.35	.25	.22	.15
140-102S6-821J	820	16	6.35	.31	.28	.18
140-102S9-102J	1000	16	9.5	.31	.28	.18

6000 Volt Tolerance: ±10%

Temperature Coefficient: SL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Dia. Max.	LS	Price Each		
				1	200	400
140-602S9-100K	10	16	9.5	.34	.23	.18
140-602S9-220K	22	12	9.5	.34	.23	.18
140-602S9-101K	100	16	9.5	.65	.43	.36



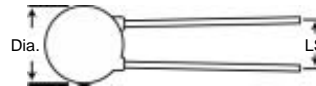
EIA CLASS 3 SEMICONDUCTOR TYPE

Specifications:

- Y5V/Y5U:**
- Temperature range: -10°C to +85°C
- Z5U/Z5V:**
- Temperature range: +10°C to +85°C
 - Dissipation factor: 5%
 - Standard tolerance: +/- 20% or +80%/-20%

Features:

- Ammo pack
- Straight leads are standard
- Formed leads for board standoffs are available
- Small size; large capacitance



Xicon Ammo Pack -Tape and Box Ceramic Disc Capacitors Passive Components

CLASS 1

50 Volt Temperature Coefficient: NPO

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	2000	4000
Tolerance 5%						
140-50N2-1R0C-TB	1.0	5.0	2.5	.06	.021	.017
140-50N5-1R0D-TB	1.0	5.0	5.0	.06	.021	.017
140-50N2-2R2C-TB	2.2	5.0	2.5	.06	.021	.017
140-50N5-2R2D-TB	2.2	5.0	5.0	.06	.021	.017
140-50N2-4R7C-TB	4.7	5.0	2.5	.06	.021	.017
140-50N5-4R7D-TB	4.7	5.0	5.0	.06	.021	.017
140-50N2-100J-TB	10	5.0	2.5	.06	.021	.017
140-50N5-100J-TB	10	5.0	5.0	.06	.021	.017
140-50N2-120J-TB	12	5.0	2.5	.06	.021	.017
140-50N5-120J-TB	12	5.0	5.0	.06	.021	.017
140-50N2-150J-TB	15	5.0	2.5	.06	.021	.017
140-50N5-150J-TB	15	5.0	5.0	.06	.021	.017
140-50N2-180J-TB	18	5.0	2.5	.06	.021	.017
140-50N5-180J-TB	18	5.0	5.0	.06	.021	.017
140-50N2-200J-TB	20	5.0	2.5	.06	.021	.017
140-50N5-200J-TB	20	5.0	5.0	.06	.021	.017
140-50N2-220J-TB	22	5.0	2.5	.06	.021	.017
140-50N5-220J-TB	22	5.0	5.0	.06	.021	.017
140-50N2-270J-TB	27	5.0	2.5	.06	.021	.017
140-50N5-270J-TB	27	5.0	5.0	.06	.021	.017
140-50N2-300J-TB	30	5.0	2.5	.06	.021	.017
140-50N5-300J-TB	30	5.0	5.0	.06	.021	.017
140-50N5-330J-TB	33	5.0	5.0	.06	.021	.017
140-50N2-390J-TB	39	5.0	2.5	.06	.021	.017
140-50N5-390J-TB	39	5.0	5.0	.06	.021	.017
140-50N2-470J-TB	47	5.0	2.5	.06	.021	.017
140-50N5-470J-TB	47	5.0	5.0	.06	.021	.017
140-50N2-560J-TB	56	6.0	2.5	.07	.026	.022
140-50N5-560J-TB	56	6.0	5.0	.06	.021	.017
140-50N2-680J-TB	68	6.0	2.5	.07	.026	.022
140-50N5-680J-TB	68	6.0	5.0	.07	.026	.022
140-50N2-820J-TB	82	7.5	2.5	.07	.026	.022
140-50N5-820J-TB	82	7.5	5.0	.07	.026	.022
140-50N2-101J-TB	100	7.5	2.5	.08	.030	.025
140-50N5-101J-TB	100	7.5	5.0	.08	.030	.025
140-50N5-121J-TB	120	8.5	5.0	.08	.030	.025
140-50N5-151J-TB	150	8.5	5.0	.10	.035	.029
140-50N5-181J-TB	180	9.5	5.0	.12	.042	.036
140-50N5-221J-TB	220	10.5	5.0	.12	.044	.036
140-50N5-271J-TB	270	10.5	5.0	.12	.046	.041

50 Volt Temperature Coefficient: SL

For quantities of 8,000 and up, call for quote.

Tolerance 5%						
140-50S2-470J-TB	47	5.0	2.5	.07	.018	.014
140-50S5-470J-TB	47	5.0	5.0	.07	.018	.014
140-50S2-510J-TB	51	5.0	2.5	.07	.018	.014
140-50S5-510J-TB	51	5.0	5.0	.05	.018	.014
140-50S2-680J-TB	68	5.0	2.5	.07	.018	.014
140-50S5-680J-TB	68	5.0	5.0	.05	.018	.014
140-50S2-820J-TB	82	5.0	2.5	.07	.018	.014
140-50S5-820J-TB	82	5.0	5.0	.05	.018	.014
140-50S2-101J-TB	100	5.0	2.5	.07	.018	.014
140-50S5-101J-TB	100	5.0	5.0	.05	.018	.014
140-50S2-151J-TB	150	5.0	2.5	.07	.018	.014
140-50S5-151J-TB	150	5.0	5.0	.05	.018	.014
140-50S5-181J-TB	180	6.0	5.0	.06	.018	.014
140-50S5-201J-TB	200	6.0	5.0	.06	.023	.019
140-50S5-221J-TB	220	8.0	5.0	.06	.023	.019
140-50S5-331J-TB	330	7.5	5.0	.07	.026	.022
140-50S5-391J-TB	390	8.5	5.0	.08	.030	.026
140-50S5-471J-TB	470	8.0	5.0	.08	.030	.026

100 Volt Temperature Coefficient: NPO

For quantities of 8,000 and up, call for quote.

Tolerance 5%						
140-100N2-1R0D-TB	1.0	5.0	2.5	.07	.026	.020
140-100N5-1R0D-TB	1.0	5.0	5.0	.07	.026	.020
140-100N2-2R2D-TB	2.2	5.0	2.5	.07	.026	.020
140-100N5-2R2D-TB	2.2	5.0	5.0	.07	.026	.020
140-100N2-4R7D-TB	4.7	5.0	2.5	.07	.026	.020
140-100N5-4R7D-TB	4.7	5.0	5.0	.07	.026	.020
140-100N2-100J-TB	10	5.0	2.5	.07	.026	.020
140-100N5-100J-TB	10	5.0	5.0	.07	.026	.020
140-100N2-150J-TB	15	5.0	2.5	.07	.026	.020
140-100N5-150J-TB	15	5.0	5.0	.07	.026	.020
140-100N2-200J-TB	20	5.0	2.5	.07	.026	.020
140-100N5-200J-TB	20	5.0	5.0	.07	.026	.020
140-100N5-220J-TB	22	5.0	5.0	.07	.026	.020
140-100N5-270J-TB	27	5.0	5.0	.07	.026	.020

Features:

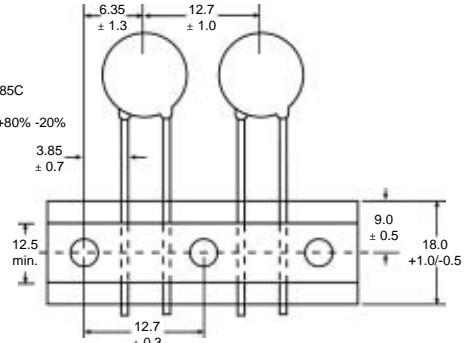
- Ammo Pack
- Straight Leads are standard.
- Formed Leads for board standoffs are available.
- Small size; large capacitance.

Tape & Box Package

- 2000 pieces per box
- *1500 pieces per box
- †1000 pieces per box

Specifications:

- NPO:
 - Temperature Coefficient: +/- 30 ppm
 - Temperature Range: -55 C to +85 C
- SL:
 - Temperature Coefficient: -700/+350 ppm
 - Temperature Range: -55 C to +85 C
- Y5P:
 - Temperature Range: -30 C to +85 C
 - Dissipation Factor: 2.5%
 - Standard Tolerance: +/- 10%
- Z5U / Z5V:
 - Temperature Range: +10 C to +85C
 - Dissipation Factor: 5%
 - Standard Tolerance: +/- 20% or +80% -20%



100 Volt Temperature Coefficient: NPO (cont.)

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	2000	4000
Tolerance 5%						
140-100N5-330J-TB	33	5.0	5.0	.07	.026	.020
140-100N5-470J-TB	47	5.0	5.0	.07	.026	.020
140-100N5-680J-TB	68	6.0	5.0	.09	.037	.029
140-100N5-101J-TB	100	7.5	5.0	.07	.042	.033

500 Volt Temperature Coefficient: NPO

For quantities of 8,000 and up, call for quote.

Tolerance 5%						
140-500N2-1R0C-TB	1.0	6.0	2.5	.08	.036	.029
140-500N5-1R0C-TB	1.0	6.0	5.0	.08	.036	.029
140-500N2-2R2C-TB	2.2	6.0	2.5	.08	.036	.029
140-500N5-2R2C-TB	2.2	6.0	5.0	.08	.036	.029
140-500N2-4R7C-TB	4.7	6.0	2.5	.08	.036	.029
140-500N5-4R7C-TB	4.7	6.0	5.0	.08	.036	.029
140-500N2-5R6D-TB	5.6	6.0	2.5	.08	.036	.029
140-500N5-5R6J-TB	5.6	6.0	5.0	.08	.036	.029
140-500N2-6R8D-TB	6.8	6.0	2.5	.08	.036	.029
140-500N5-6R8J-TB	6.8	6.0	5.0	.08	.036	.029
140-500N2-8R2D-TB	8.2	6.0	2.5	.08	.036	.029
140-500N5-8R2J-TB	8.2	6.0	5.0	.08	.036	.029
140-500N2-100J-TB	10	6.0	2.5	.08	.036	.029
140-500N5-100J-TB	10	6.0	5.0	.08	.036	.029
140-500N5-180J-TB	18	8.0	5.0	.08	.036	.029
140-500N5-220J-TB	22	8.0	5.0	.08	.036	.029

500 Volt Temperature Coefficient: SL

For quantities of 8,000 and up, call for quote.

Tolerance 10%						
140-500S5-470K-TB	47	5.0	5.0	.10	.027	.022
140-500S5-101K-TB	100	5.0	5.0	.10	.042	.034

1000 Volt Temperature Coefficient: SL

For quantities of 8,000 and up, call for quote.

Tolerance 5%						
140-102S5-470J-TB	47	5.0	5.0	.10	.044	.035
140-102S5-101J-TB	100	5.0	5.0	.14	.056	.045
140-102S5-221J-TB	220	8.0	5.0	.18	.058	.047
140-102S5-471J-TB	470	13.0	5.0	.23	.072	.062

CLASS 2

50 Volt Temperature Coefficient: Y5P

For quantities of 8,000 and up, call for quote.

Tolerance 10%						
140-50P2-221K-TB	220	5.0	2.5	.06	.022	.018
140-50P5-221K-TB	220	5.0	5.0	.06	.018	.015
140-50P2-331K-TB	330	5.0	2.5	.06	.022	.018
140-50P5-331K-TB	330	5.0	5.0	.08	.018	.015
140-50P2-471K-TB	470	5.0	2.5	.06	.022	.018
140-50P5-471K-TB	470	5.0	5.0	.08	.018	.015
140-50P2-561K-TB	560	5.0	2.5	.06	.022	.018
140-50P5-561K-TB	560	5.0	5.0	.06	.022	.018
140-50P2-102K-TB	1,000	5.0	2.5	.08	.022	.018
140-50P5-102K-TB	1,000	5.0	5.0	.08	.022	.018
140-50P5-222K-TB	2,200	5.0	5.0	.08	.022	.018
140-50P5-472K-TB	4,700	8.5	5.0	.08	.028	.022
140-50P5-103K-TB	10,000	16.0	5.0	.15	.046	.037

50 Volt Temperature Coefficient: Z5V

For quantities of 8,000 and up, call for quote.

Tolerance +80% -20%						
140-50Q5-102Z-TB	1,000	5.0	5.0	.07	.013	.011
140-50Q5-103Z-TB	10,000	6.5	5.0	.07	.013	.011

50 Volt Temperature Coefficient: Z5U

For quantities of 8,000 and up, call for quote.

Tolerance 20%						
140-50Z5-102M-TB	1,000	5.0	5.0	.07	.013	.011
140-50Z5-202M-TB	2,000	5.5	5.0	.07	.013	.011
140-50Z5-472M-TB	4,700	6.6	5.0	.07	.014	.012
140-50Z5-103M-TB	10,000	7.5	5.0	.08	.017	.015

100 Volt Temperature Coefficient: Z5U

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. Max.	LS	Price Each		
				1	2000	4000
Tolerance +80% -20%						
140-100Z5-103Z-TB	10,000	7.5	5.0	.09	.030	.024
140-100Z5-223Z-TB	22,000	10.5	5.0	.12	.046	.039
140-100Z5-473Z-TB	47,000	12.0	5.0	.16	.087	.076

500 Volt Temperature Coefficient: Y5P

For quantities of 8,000 and up, call for quote.

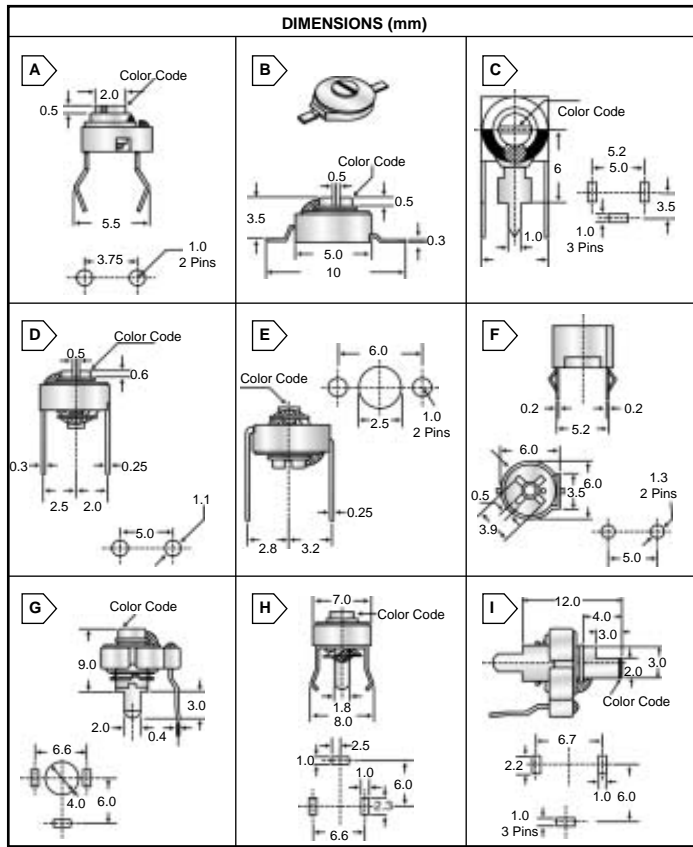
Tolerance 10%						
140-500P5-101K-TB	100	5.0	5.0	.11	.031	.025
140-500P5-151K-TB	150	5.0	5.0	.11	.031	.025
140-500P5-221K-TB	220	5.0	5.0	.11	.031	.025
140-500P5-471K-TB	470	5.0	5.0	.11	.031	.025
140-500P5-501K-TB	500					

CERAMIC TRIMMER CAPACITORS

- Temperature stable
- Frequency control through microwave
- Operating Temperature Range: -30°C to 85°C
- Shock and vibration resistant
- Small, stable, high quality

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Range (pF)	Q Factor @ 10MHz	Temp. Coeff. ppm/°C	Rotor Color Code	Price Each			
						1	10	100	500
4mm Super Miniature, 50WVDC									
242-1810	A	1.8-10.0	>300	N550±300	None	1.51	1.26	1.15	1.02
242-2820	A	2.8-20.0	>300	N550±300	Blue	1.51	1.26	1.15	1.02
242-4030	A	4.0-30.0	>200	N1200±500	Yellow	1.51	1.26	1.15	1.02
5mm Surface Mount Micro-Miniature, 200WVDC									
24AA070	B	1.8-6.0	>300	NPO±250	Red	.97	.81	.74	.65
24AA071	B	2.8-12.5	>300	N600±300	None	.97	.81	.74	.65
24AA072	B	3.5-20	>300	N750±300	Blue	.97	.81	.74	.65
24AA073	B	5.0-30	>200	N1500±300	Yellow	1.04	.86	.79	.70
24AA074	B	9.0-50	>200	N1500±300	Green	1.06	.88	.81	.71
5mm Micro-Miniature, 200WVDC									
24AA080	C	1.8-6.0	>300	NPO±250	Red	1.06	.88	.81	.71
24AA081	C	2.8-12.5	>300	N600±300	None	1.06	.88	.81	.71
24AA082	C	3.5-20	>300	N750±300	Blue	1.06	.88	.81	.71
24AA083	C	5.0-30	>200	N1500±500	Yellow	1.09	.91	.83	.74
24AA084	C	9.0-50	>200	N1500±500	Green	1.13	.94	.86	.77
24AA020	D	1.8-6.0	>300	NPO±250	Red	.97	.81	.74	.65
24AA021	D	2.8-12.5	>300	N600±300	None	.97	.81	.74	.65
24AA022	D	3.5-20	>300	N750±300	Blue	.98	.82	.74	.66
24AA023	D	5.0-30	>200	N1500±500	Yellow	1.05	.87	.80	.71
24AA024	D	9.0-50	>200	N1500±500	Green	1.05	.87	.80	.71
24AA091	E	2.8-12.5	>300	N600±300	None	1.05	.87	.80	.71
24AA092	E	3.5-20.0	>300	N750±300	Blue	1.05	.87	.80	.71
6mm Snap-In Mount, 100WVDC									
242-3010	F	3.0-10	>300	NPO±200	White	.48	.40	.37	.33
242-4221	F	4.2-20	>300	N450±300	Red	.48	.40	.37	.33
242-6230	F	6.2-30	>200	N750±300	Green	.48	.40	.37	.33
242-9850	F	9.8-50	>244	N1200±600	Brown	.48	.40	.37	.33
7mm Ultra-Miniature, 225WVDC									
24AA113	G	4.0-34	>300	N550±800	Yellow	1.06	.88	.81	.71
242-3810-12	H	2.0-12	>300	NPO±200	None	.88	.73	.66	.60
242-3810-23	H	2.8-23	>300	N450±200	Blue	.88	.73	.66	.60
242-3810-45	H	5.0-45	>200	N1400±800	Brown	1.04	.86	.79	.70
242-3810-55	H	5.0-55	>200	N1400±800	Green	1.06	.88	.81	.71
242-3810-70	H	6.0-70	>200	N1400±800	Gray	1.08	.99	.90	.82
242-3810-100	H	12.0-100	200@1MHz	N1400±800	Black	1.13	1.08	.95	.84
7mm Ultra-Miniature, Rotary Shaft									
242-3410-34	I	4.0-34	>300	N500±800	Yellow	1.08	.89	.82	.73
242-3410-45	I	5.0-45	>200	N1400±800	Brown	1.12	.94	.85	.76
242-3410-55	I	5.0-55	>200	N1400±800	Green	1.21	1.00	.92	.82
242-3410-70	I	6.0-70	>200	N1400±800	None	1.26	1.05	.96	.85



Trimmer Capacitors

Xicon

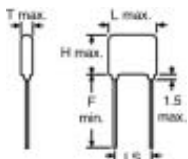
EPOXY DIPPED MULTILAYER CERAMIC CAPACITORS

Specifications:

- Epoxy coated
- Soldered, copper clad steel
- Standard tolerances
- Minimum 5mm lead length

L	H	T	LS
4.1	3.8	2.5	2.5

DIMENSIONS (mm)



NPO Temperature Coefficient 50 Volt ±10%

MOUSER STOCK NO.	Value (pF)	Price Each					Call for Quote
		1	100	500	1000	2000+	
21RD710	10	.10	.082	.063	.055		Call for Quote
21RD722	22	.10	.082	.063	.055		
21RD739	39	.10	.082	.063	.055		
21RD747	47	.10	.082	.063	.055		
21RD610	100	.11	.088	.068	.059		
21RD622	220	.12	.10	.078	.068		
21RD647	470	.14	.12	.089	.078		

NPO Temperature Coefficient 100 Volt ±10%

21RR612	120	.14	.11	.088	.076	Call for Quote
21RR627	270	.15	.12	.093	.081	
21RR633	330	.15	.12	.093	.081	
21RR510	1,000	.20	.16	.13	.109	

X7R Temperature Coefficient 50 Volt ±10%

MOUSER STOCK NO.	Value (uF)	Price Each					Call for Quote
		1	100	500	1000	2000+	
21RX510	.001	.10	.084	.065	.056	Call for Quote	
21RX410	.01	.11	.091	.070	.061		
21RX421	.02	.13	.11	.085	.074		
21RX310	.1	.19	.16	.12	.10		

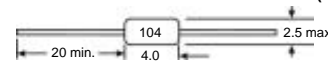
Z5U Temperature Coefficient 50 Volt ±20%

21RZ410	.01	.10	.082	.063	.055	Call for Quote
21RZ450	.05	.11	.091	.070	.061	
21RZ310	.1	.08	.069	.053	.046	

50V CA10 AXIAL CERAMIC CAPACITORS

DIMENSIONS (mm)

- Operating temperature: -55°C to +125°C, C0G & X7R, -25°C to +85°C, Z5U
- Dissipation factors: ≤.001 for C=50pF, C0G, ≤.0033 for C<50pF, C0G, ≤.025, X7R, ≤.03, Z5U
- Solderability: 235°C±5°C, 2 ±0.5 sec @ 1.5-2.0mm immersion



Offers high capacitance in a 1.0" or smaller diameter case.

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Tolerance ±	Temperature Coefficient	Price Each			Reel Price Each 5000
				1	100	500	
147-75-100	10	5	C0G	.27	.14	.12	.068
147-75-120	12	5	C0G	.27	.14	.12	.068
147-75-150	15	5	C0G	.27	.14	.12	.068
147-75-180	18	5	C0G	.27	.14	.12	.068
147-75-220	22	5	C0G	.27	.14	.12	.068
147-75-270	27	5	C0G	.27	.14	.12	.068
147-75-330	33	5	C0G	.27	.14	.12	.068
147-75-390	39	5	C0G	.27	.14	.12	.068
147-75-470	47	5	C0G	.27	.14	.12	.068
147-75-680	68	5	C0G	.28	.15	.13	.068
147-75-820	82	5	C0G	.28	.15	.13	.068
147-75-101	100	5	C0G	.28	.15	.13	.068
147-75-121	120	5	C0G	.29	.22	.16	.068
147-75-151	150	5	C0G	.29	.22	.16	.07
147-75-221	220	5	C0G	.29	.22	.16	.07
147-75-271	270	5	C0G	.29	.22	.16	.07
147-75-331	330	5	C0G	.29	.22	.16	.07
147-75-471	470	5	C0G	.29	.22	.16	.074
147-75-102	1000	5	C0G	.33	.25	.18	.09
147-71-391	390	10	X7R	.26	.19	.14	.068
147-71-561	560	10	X7R	.26	.19	.14	.068
147-71-681	680	10	X7R	.26	.19	.14	.068
147-71-821	820	10	X7R	.26	.19	.14	.068
147-71-152	1500	10	X7R	.26	.19	.14	.07
147-71-222	2200	10	X7R	.26	.19	.14	.07
147-71-472	4700	10	X7R	.26	.20	.14	.07
147-71-562	5600	10	X7R	.26	.20	.14	.07
147-71-103	10000	10	X7R	.17	.12	.09	.068
147-71-223	22000	10	X7R	.33	.25	.18	.079
147-71-333	33000	10	X7R	.36	.27	.19	.086
147-71-473	47000	10	X7R	.37	.28	.20	.093
147-72-103	10000	20	Z5U	.16	.12	.09	.055
147-72-473	47000	20	Z5U	.21	.15	.10	.068
147-72-104	100000	20	Z5U	.16	.12	.09	.043
147-72-224	220000	20	Z5U	.42	.32	.23	.10

Sprague Goodman SMD and Ceramic Trimmer Capacitors



SPRAGUE GOODMAN SURFTRIM® GKR SERIES SMD TRIMMER CAPACITORS

Features:

- Low mounting profile
- Sealed for washability
- Self resonant frequency above 1GHz

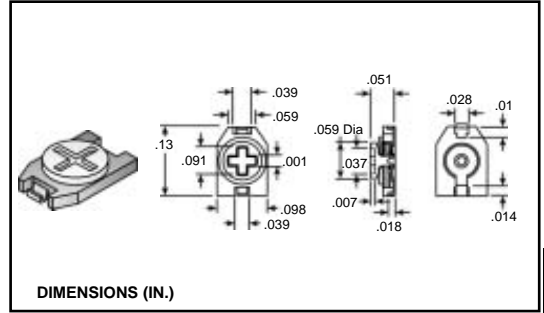
Specifications:

- Operating temperature range: -40°C to +85°C
- Voltage rating: 25 VDC
- Dielectric withstanding voltage: 75 VDC
- Insulation resistance: 104 MΩ min.
- Torque: 10 to 150 g-cm (0.14 to 2.1 oz-in)

2.2 x 3.1 x 1.2mm

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Cap. Range (pF)		TCC (ppm/°C)	Q (min) @1MHz	Price Each			Per Reel of 2000 (ea.)
		Min	Max			1	25	100	
659-GKRP5R	GKRP5R066	3.0	5	0 ± 500	150	1.31	1.21	.92	.60
659-GKRP10	GKRP10066	3.0	10	0 ± 500	150	1.31	1.21	.92	.60
659-GKRP20	GKRP20066	5.0	20	N750 ± 500	150	1.31	1.21	.92	.60
659-GKRP30	GKRP30066	7.0	30	N750 ± 500	150	1.31	1.21	.92	.60



SPRAGUE GOODMAN SURFTRIM® GKY SERIES SMD TRIMMER CAPACITORS DIMENSIONS (IN.)

Features:

- Designed for reflow soldering

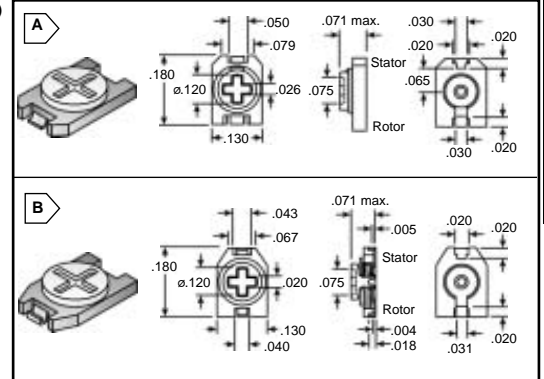
Specifications:

- Operating temperature range: -25°C to +85°C
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 220 VDC
- Insulation resistance: 10⁴ MΩ min.
- Torque: 10 to 150 g-cm (0.14 to 2.08 oz-in)

3.2 x 4.5 x 1.8mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each			Per Reel of 1000 (ea.)
			Min	Max				1	25	100	
659-GKY3R066	GKY3R066	A	1.7	3.0	500	NPO± 300	Brown	.93	.82	.58	.42
659-GKY6R066	GKY6R066	A	2.5	6.0	500	NPO± 300	Blue	.93	.82	.58	.42
659-GKY10066	GKY10066	A	3.0	10.0	500	N400± 400	White	.93	.82	.58	.42
659-GKY20066	GKY20066	A	5.0	20.0	300	N900± 400	Red	.93	.82	.58	.42
659-GKY30066	GKY30066	A	6.0	30.0	300	N1200± 500	Green	.93	.82	.58	.42
659-GKY3R076	GKY3R076	B	1.0	3.0	300	NPO± 500	White	1.03	.90	.64	.46
659-GKY40076	GKY40076	B	5.0	40.0	300	N750± 500	White	1.15	1.01	.72	.52
659-GKY50076	GKY50076	B	7.0	50.0	300	N750± 500	White	1.15	1.01	.72	.52



SPRAGUE GOODMAN GKG SERIES CERAMIC TRIMMER CAPACITORS DIMENSIONS (IN.)

Features:

- Low cost due to automated construction
- Wide selection of capacitance ranges
- Color coded housings

Specifications:

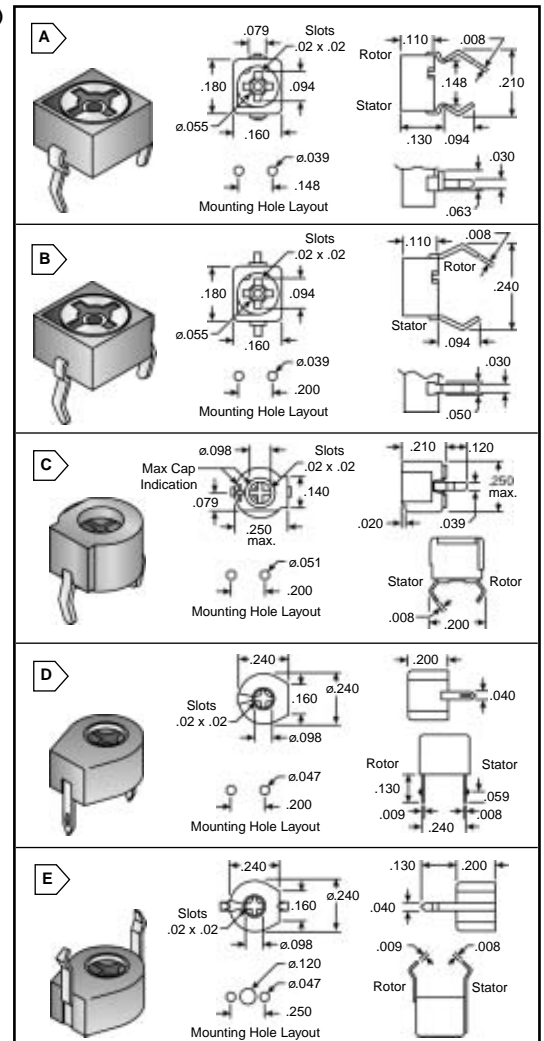
- Operating temperature range: -25°C to +85°C
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 220 VDC
- Insulation resistance: 10⁴ MΩ min.
- Torque: 10 to 100 g-cm (0.14 to 1.39 oz-in)

4 x 4.5 x 2.7mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each		
			Min	Max				1	25	100
Top Adjust 4 x 4.5mm Ceramic Trimmer Capacitors										
* 659-GKG3R021	GKG3R021	A	1.4	3.0	300	NPO± 200	Red Dot	.59	.51	.37
659-GKG6R021	GKG6R021	A	2.0	6.0	500	NPO± 200	Blue	.59	.51	.37
659-GKG10021	GKG10021	A	3.0	10.0	500	NPO± 300	White	.59	.51	.37
659-GKG20021	GKG20021	A	4.5	20.0	500	N900± 350	Red	.59	.51	.37
659-GKG30021	GKG30021	A	6.5	30.0	300	N1100± 450	Green	.59	.51	.37
659-GKG50021	GKG50021	A	15.0	50.0	300	N1700± 500	Orange	.59	.51	.37
Top Adjust 4 x 4.5mm Ceramic Trimmer Capacitors										
* 659-GKG3R024	GKG3R024	B	1.4	3.0	300	NPO± 200	Red Dot	.59	.51	.37
659-GKG6R024	GKG6R024	B	2.0	6.0	500	NPO± 200	Blue	.59	.51	.37
659-GKG10024	GKG10024	B	3.0	10.0	500	NPO± 300	White	.59	.51	.37
659-GKG20024	GKG20024	B	4.5	20.0	500	N900± 350	Red	.59	.51	.37
659-GKG30024	GKG30024	B	6.5	30.0	300	N1100± 450	Green	.59	.51	.37
659-GKG50024	GKG50024	B	15.0	50.0	300	N1700± 500	Orange	.59	.51	.37
Top Adjust 6mm Ceramic Trimmer Capacitors										
659-GKG10011	GKG10011	C	2.8	10.0	† 300	NPO± 250	White	1.01	.88	.63
659-GKG20011	GKG20011	C	4.0	20.0	† 300	N600± 300	Red	1.01	.88	.63
659-GKG30011	GKG30011	C	5.5	30.0	† 200	N750± 300	Green	1.01	.88	.63
659-GKG40011	GKG40011	C	6.5	40.0	† 200	N750± 400	Yellow	1.01	.88	.63
659-GKG50011	GKG50011	C	8.0	50.0	† 200	N1200± 600	Orange	1.08	.95	.68
659-GKG60011	GKG60011	C	10.5	60.0	200	N1200± 600	Brown	1.08	.95	.68
659-GKG70011	GKG70011	C	12.0	70.0	200	N1500± 600	Grey	1.08	.95	.68
659-GKG90011	GKG90011	C	20.0	90.0	200	N2200± 600	Black	1.08	.95	.68
Economical Top Adjust 6mm Ceramic Trimmer Capacitors										
659-GKG3R015	GKG3R015	D	1.0	3.0	300	NPO± 250	Black	.21	.19	.13
659-GKG5R015	GKG5R015	D	2.0	5.0	300	NPO± 250	Blue	.21	.19	.13
659-GKG10015	GKG10015	D	3.0	10.0	300	NPO± 250	White	.21	.19	.13
659-GKG20015	GKG20015	D	5.0	20.0	300	N750± 250	Red	.21	.19	.13
659-GKG30015	GKG30015	D	6.5	30.0	200	N1000± 500	Green	.21	.19	.13
659-GKG40015	GKG40015	D	7.0	40.0	200	N2200± 800	Yellow	.21	.19	.13
659-GKG50015	GKG50015	D	10.0	50.0	200	N2200± 800	Brown	.37	.32	.23
659-GKG60015	GKG60015	D	12.0	60.0	200	N2200± 800	Brown	.37	.32	.23
659-GKG70015	GKG70015	D	15.0	70.0	200	N2200± 800	Brown	.37	.32	.23
Economical Bottom Adjust 6mm Ceramic Trimmer Capacitors										
659-GKG3R016	GKG3R016	E	1.0	3.0	300	NPO± 250	Black	.27	.23	.17
659-GKG5R016	GKG5R016	E	2.0	5.0	300	NPO± 250	Blue	.27	.23	.17
659-GKG10016	GKG10016	E	3.0	10.0	300	NPO± 250	White	.27	.23	.17
659-GKG20016	GKG20016	E	5.0	20.0	300	N750± 250	Red	.27	.23	.17
659-GKG30016	GKG30016	E	6.5	30.0	200	N1000± 500	Green	.27	.23	.17
659-GKG40016	GKG40016	E	7.0	40.0	200	N2200± 800	Yellow	.27	.23	.17
659-GKG50016	GKG50016	E	10.0	50.0	200	N2200± 800	Brown	.40	.35	.25
659-GKG60016	GKG60016	E	12.0	60.0	200	N2200± 800	Brown	.40	.35	.25
659-GKG70016	GKG70016	E	15.0	70.0	200	N2200± 800	Brown	.40	.35	.25

* Marking on bottom of capacitor † Q Factor at 10 MHz



Sprague Goodman SMD and Microwave Trimmer Capacitors

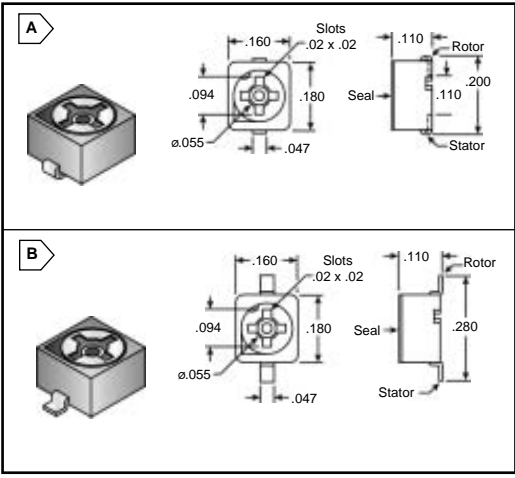


SURFTRIM® GKG SERIES SMD TRIMMER CAPACITORS

- Features:**
- Sealed Construction
 - Process seal provides protection against contaminants (flux, solvents, etc.) during production
 - Designed for low flow reflow soldering

- Specifications:**
- Operating temperature range: -25°C to +85°C
 - Voltage rating: 100 VDC
 - Dielectric withstanding voltage: 220 VDC
 - Insulation resistance: 10⁹ MΩ min.
 - Torque: 15 to 100 g-cm (0.2 to 1.39 oz-in)

DIMENSIONS (IN.)



4 x 4.5 x 2.7mm For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each			Per Reel of 700 (ea.)
			Min	Max				1	25	100	
*659-GKG3R066	GKG3R066	A	1.4	3.0	300	NPO± 200	Red Dot	.98	.86	.61	.44
659-GKG6R066	GKG6R066	A	2.0	6.0	500	NPO± 200	Blue	.98	.86	.61	.44
659-GKG10066	GKG10066	A	3.0	10.0	500	NPO± 300	White	.98	.86	.61	.44
659-GKG20066	GKG20066	A	4.5	20.0	500	N900± 300	Red	.98	.86	.61	.44
659-GKG30066	GKG30066	A	6.5	30.0	300	N1100± 450	Green	.98	.86	.61	.44
*659-GKG3R067	GKG3R067	B	1.4	3.0	300	NPO± 200	Red Dot	1.18	1.03	.74	.53
659-GKG6R067	GKG6R067	B	2.0	6.0	500	NPO± 200	Blue	1.18	1.03	.74	.53
659-GKG10067	GKG10067	B	3.0	10.0	500	NPO± 300	White	1.18	1.03	.74	.53
659-GKG20067	GKG20067	B	4.5	20.0	500	N900± 300	Red	1.18	1.03	.74	.53
659-GKG30067	GKG30067	B	6.5	30.0	300	N1100± 450	Green	1.18	1.03	.74	.53

* Marking on bottom of capacitor

Trimmer Capacitors

MICROWAVE SAPPHERE PISTONCAP® TRIMMER CAPACITORS

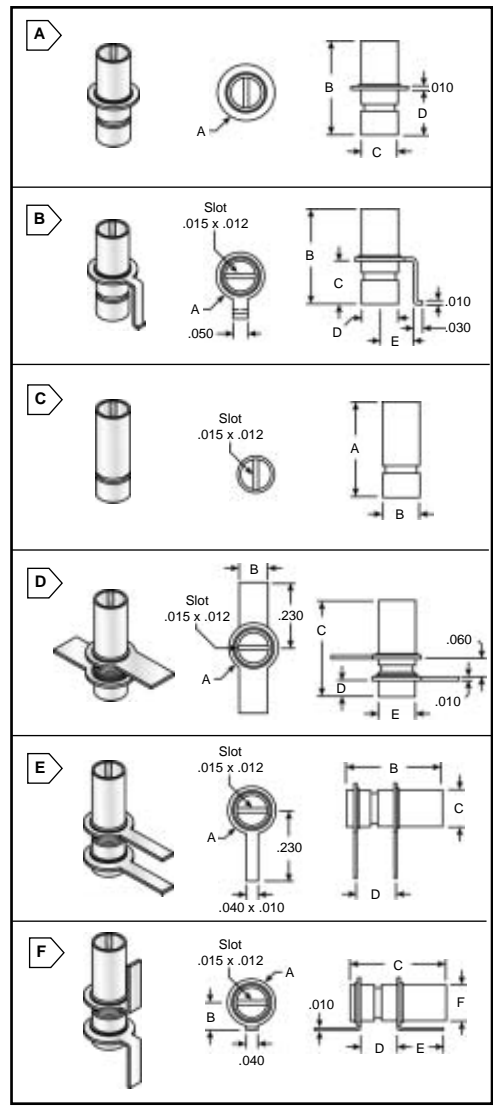
- Features:**
- Sapphire dielectric
 - Very high Q at UHF and microwave frequencies
 - Subminiature - smallest PISTONCAP® types
 - Choice of 2 configurations and 8 mounting styles to suit all RF structures
 - Extremely stable over temperature, frequency, voltage, etc.

- Specifications:**
- Operating temperature range: -55°C to +125°C
 - Rated voltage: 500 VDC
 - Dielectric withstanding voltage: 1000 VDC
 - Insulation resistance: 10⁹ MΩ min. @ 500 VDC
 - Torque: 0.1 to 1.0 oz-in (7.2 to 72 g-cm) for GN_1R2_ _
0.2 to 2.0 oz-in (14.4 to 144 g-cm) for GN_2R5_ _ to GN_8R0_ _

- Applications:**
- Filters
 - Tuning cavities
 - Coupling
 - Frequency multipliers

DIMENSIONS (IN.)

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Dimensions (In.)						Cap. (pF)		TCC (ppm/°C)	Q Factor @ 250 MHz	Price Each		
			A	B	C	D	E	F	Min	Max			1	25	100
Type F-Flange Mount															
659-GNF1R200	GNF1R200	A	.145	.230	.075	.090	---	---	0.3	1.2	+350±100 ppm/°C	4000	10.32	8.89	7.62
659-GNF1R250	GNF1R250	A	.145	.230	.075	.090	---	---	0.3	1.2	NPO±50 ppm/°C	4000	11.30	9.73	8.34
659-GNF2R500	GNF2R500	A	.185	.230	.118	.090	---	---	0.4	2.5	+350±100 ppm/°C	3000	9.43	8.12	6.96
659-GNF2R550	GNF2R550	A	.185	.230	.118	.090	---	---	0.4	2.5	NPO±50 ppm/°C	3000	10.40	8.96	7.68
659-GNF4R500	GNF4R500	A	.185	.310	.118	.150	---	---	0.6	4.5	+350±100 ppm/°C	2000	9.06	7.81	6.69
659-GNF4R550	GNF4R550	A	.185	.310	.118	.150	---	---	0.6	4.5	NPO±50 ppm/°C	2000	10.04	8.65	7.41
659-GNF8R000	GNF8R000	A	.185	.470	.118	.250	---	---	0.8	8.0	+350±100 ppm/°C	1000	13.65	11.76	10.08
659-GNF8R050	GNF8R050	A	.185	.470	.118	.250	---	---	0.8	8.0	NPO±75 ppm/°C	1000	14.63	12.60	10.80
Type V-Vertical Surface Mount															
659-GNV1R200	GNV1R200	A	.114	.230	.090	.075	.080	---	0.3	1.2	+350±100 ppm/°C	4000	10.37	8.93	7.66
659-GNV1R250	GNV1R250	B	.114	.230	.090	.075	.080	---	0.3	1.2	NPO±50 ppm/°C	4000	11.34	9.77	8.38
659-GNV2R500	GNV2R500	B	.158	.230	.090	.118	.110	---	0.4	2.5	+350±100 ppm/°C	3000	9.43	8.12	6.96
659-GNV2R550	GNV2R550	B	.158	.230	.090	.118	.110	---	0.4	2.5	NPO±50 ppm/°C	3000	10.40	8.96	7.68
659-GNV4R500	GNV4R500	B	.158	.310	.150	.118	.110	---	0.6	4.5	+350±100 ppm/°C	2000	9.06	7.81	6.69
659-GNV4R550	GNV4R550	B	.158	.310	.150	.118	.110	---	0.6	4.5	NPO±50 ppm/°C	2000	10.04	8.65	7.41
659-GNV8R000	GNV8R000	B	.158	.470	.250	.118	.110	---	0.8	8.0	+350±100 ppm/°C	1000	13.65	11.76	10.08
659-GNV8R050	GNV8R050	B	.158	.470	.250	.118	.110	---	0.8	8.0	NPO±75 ppm/°C	1000	14.63	12.60	10.80
Type N-Leadless															
659-GNN1R200	GNN1R200	C	.230	.075	---	---	---	0.3	1.2	+350±100 ppm/°C	4000	7.40	6.38	5.46	
659-GNN1R250	GNN1R250	C	.230	.075	---	---	---	0.3	1.2	NPO±50 ppm/°C	4000	8.38	7.22	6.18	
659-GNN2R500	GNN2R500	C	.230	.120	---	---	---	0.4	2.5	+350±100 ppm/°C	3000	7.73	6.66	5.71	
659-GNN2R550	GNN2R550	C	.230	.120	---	---	---	0.4	2.5	NPO±50 ppm/°C	3000	8.70	7.50	6.43	
659-GNN4R500	GNN4R500	C	.310	.120	---	---	---	0.6	4.5	+350±100 ppm/°C	2000	7.41	6.39	5.47	
659-GNN4R550	GNN4R550	C	.310	.120	---	---	---	0.6	4.5	NPO±50 ppm/°C	2000	8.39	7.23	6.19	
659-GNN8R000	GNN8R000	C	.470	.120	---	---	---	0.8	8.0	+350±100 ppm/°C	1000	12.19	10.50	9.00	
659-GNN8R050	GNN8R050	C	.470	.120	---	---	---	0.8	8.0	NPO±75 ppm/°C	1000	13.16	11.34	9.72	
Type R-Reverse Lead Mount															
659-GNR1R200	GNR1R200	D	.114	.040	.230	.015	.075	---	0.3	1.2	+350±100 ppm/°C	4000	11.97	10.31	8.84
659-GNR1R250	GNR1R250	D	.114	.040	.230	.015	.075	---	0.3	1.2	NPO±50 ppm/°C	4000	12.94	11.15	9.56
659-GNR2R500	GNR2R500	D	.160	.090	.230	.015	.118	---	0.4	2.5	+350±100 ppm/°C	3000	10.46	9.01	7.73
659-GNR2R550	GNR2R550	D	.160	.090	.230	.015	.118	---	0.4	2.5	NPO±50 ppm/°C	3000	11.44	9.85	8.45
659-GNR4R500	GNR4R500	D	.160	.090	.310	.050	.118	---	0.6	4.5	+350±100 ppm/°C	2000	10.24	8.82	7.56
659-GNR4R550	GNR4R550	D	.160	.090	.310	.050	.118	---	0.6	4.5	NPO±50 ppm/°C	2000	11.22	9.66	8.28
659-GNR8R000	GNR8R000	D	.160	.090	.470	.140	.118	---	0.8	8.0	+350±100 ppm/°C	1000	14.30	12.32	10.56
659-GNR8R050	GNR8R050	D	.160	.090	.470	.140	.118	---	0.8	8.0	NPO±75 ppm/°C	1000	15.28	13.16	11.28
Type C-PC Mount															
659-GNC1R200	GNC1R200	E	.114	.230	.075	.080	---	0.3	1.2	+350±100 ppm/°C	4000	11.97	10.31	8.84	
659-GNC1R250	GNC1R250	E	.114	.230	.075	.080	---	0.3	1.2	NPO±50 ppm/°C	4000	12.94	11.15	9.56	
659-GNC2R500	GNC2R500	E	.158	.230	.120	.080	---	0.4	2.5	+350±100 ppm/°C	3000	10.18	8.77	7.52	
659-GNC2R550	GNC2R550	E	.158	.230	.120	.080	---	0.4	2.5	NPO±50 ppm/°C	3000	11.15	9.61	8.24	
659-GNC4R500	GNC4R500	E	.158	.310	.120	.130	---	0.6	4.5	+350±100 ppm/°C	2000	9.96	8.58	7.35	
659-GNC4R550	GNC4R550	E	.158	.310	.120	.130	---	0.6	4.5	NPO±50 ppm/°C	2000	10.93	9.42	8.07	
659-GNC8R000	GNC8R000	E	.158	.470	.120	.250	---	0.8	8.0	+350±100 ppm/°C	1000	14.30	12.32	10.56	
659-GNC8R050	GNC8R050	E	.158	.470	.120	.250	---	0.8	8.0	NPO±75 ppm/°C	1000	15.28	13.16	11.28	
Type L-Horizontal Surface Mount															
659-GNL1R200	GNL1R200	F	.114	.070	.230	.080	.171	.075	0.3	1.2	+350±100 ppm/°C	4000	12.02	10.35	8.88
659-GNL1R250	GNL1R250	F	.114	.070	.230	.080	.171	.075	0.3	1.2	NPO±50 ppm/°C	4000	12.99	11.19	9.60
659-GNL2R500	GNL2R500	F	.158	.090	.230	.080	.147	.118	0.4	2.5	+350±100 ppm/°C	3000	10.42	8.97	7.69
659-GNL2R550	GNL2R550	F	.158	.090	.230	.080	.147	.118	0.4	2.5	NPO±50 ppm/°C	3000	11.39	9.81	8.41
659-GNL4R500	GNL4R500	F	.158	.090	.310	.130	.147	.118	0.6	4.5	+350±100 ppm/°C	2000	10.20	8.78	7.53
659-GNL4R550	GNL4R550	F	.158	.090	.310	.130	.147	.118	0.6	4.5	NPO±50 ppm/°C	2000	11.17	9.62	8.25
659-GNL8R000	GNL8R000	F	.158	.090	.470	.250	.147	.118	0.8	8.0	+350±100 ppm/°C	1000	14.30	12.32	10.56
659-GNL8R050	GNL8R050	F	.158	.090	.470	.250	.147	.118	0.8	8.0	NPO±75 ppm/°C	1000	15.28	13.16	11.28





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FILMTRIM® GSX SERIES SMD TRIMMER CAPACITORS

Features:

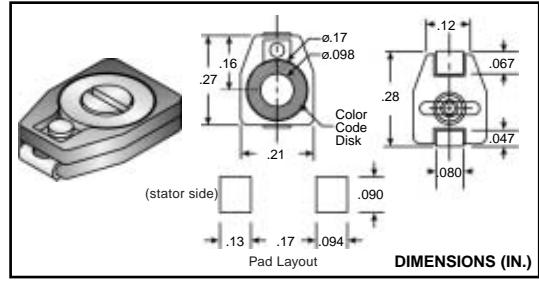
- Low cost for commercial/industrial applications
- High Q
- Most stable TCC for single turn trimmers
- Typical applications: mobile radios, transmitters, pagers, electronic games, wireless security and fire alarms and CATV.

Specifications:

- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 200 VDC
- Insulation resistance: 10¹⁰ MΩ min.
- Torque: 20-300 g-cm (0.28 - 4.2oz-in)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Height (max)	Color Code	Price Each		
Mfr.	Mfr. Part No.	Min	Max					1	25	100
659	GSX364	0.5	4.5	1000	N100 ± 100	0.087	Orange	1.48	1.29	1.10
659	GSX358	0.6	9.0	1000	N100 ± 100	0.087	Black	1.68	1.47	1.05
659	GSX365	0.8	15.0	1000	N100 ± 100	0.094	Blue	1.86	1.63	1.17
659	GSX366	1.0	20.0	1000	N100 ± 100	0.100	Green	2.24	1.96	1.40



FILMTRIM® GCL SERIES TRIMMER CAPACITORS

Features:

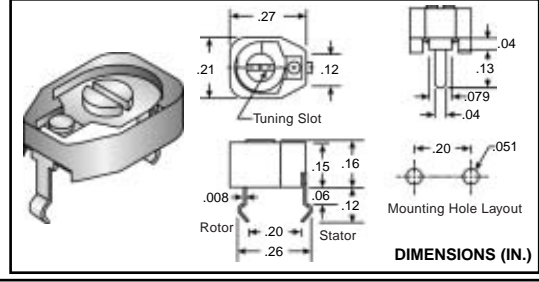
- Low cost for commercial/industrial applications
- Compact size
- 5mm height with top adjust
- Typical applications: mobile radios, transmitters, pagers, electronic games, wireless security and fire alarms and CATV.

Specifications:

- Operating temperature range: -25°C to +85°C
- Voltage rating: 50 VDC
- Dielectric withstanding voltage: 100 VDC
- Insulation resistance: 500 MΩ min.
- Torque: 20-200 g-cm (0.28 - 2.8 oz-in)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each		
Mfr.	Mfr. Part No.	Min	Max				1	25	100
659	GCL10000	0.7	10.0	1000	350 ± 500	Brown	.58	.50	.35
659	GCL20000	0.8	20.0	1000	350 ± 500	Green	.58	.50	.35
659	GCL30000	0.9	30.0	1000	350 ± 500	Yellow	.85	.73	.51
659	GCL40000	1.0	40.0	1000	350 ± 500	Blue	.93	.80	.56



FILMTRIM® PLASTIC DIELECTRIC TRIMMER CAPACITORS, TOP AND BOTTOM/SIDE ADJUST

8mm GYA AND GYB SERIES, 10mm GYC, GYD, GZC, AND GZD SERIES

Features:

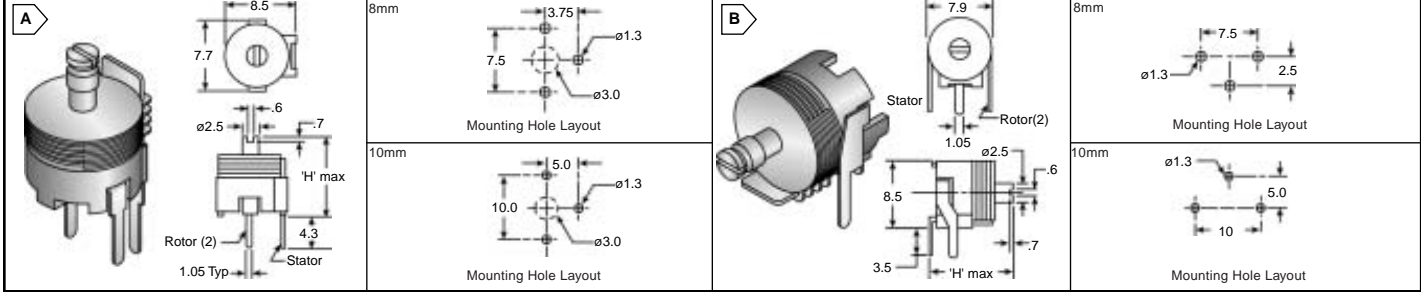
- Low cost for commercial/industrial applications
- Top, bottom and side mount models
- Linear capacitance change vs. rotation
- Typical applications: mobile radios, transmitters, pagers, electronic games, wireless security and fire alarms and CATV.

Specifications:

- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 200 VDC
- Contact resistance: 0.010 Ω max
- Insulation resistance: 10¹⁰ MΩ min.
- Operating temperature: GYA,GYB,GYC,GYD: -40°C to +70°C GZC, GZD: -40°C to +85°C

- Torque: GYA, GYB series: 15-250 g-cm (0.21 - 3.5oz-in)
GYC,GYD,GZC,GZD series: 15-360 g-cm (0.20 - 5.0oz-in)
- Dielectric construction: GYA,GYB,GYC,GYD: Polypropylene
GZC, GZD: Polycarbonate

DIMENSIONS (mm)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Dimensions (mm)			Color Code	Price Each		
Mfr.	Mfr. Part No.		Min	Max			A	B	C		1	25	100
8mm													
659	GYA5R000	A	1.6	5.0	1000	0 ± 300	8.5	7.7	10.2	Clear	1.18	1.01	.925
659	GYA10000	A	2.0	10.0	1000	0 ± 300	8.5	7.7	10.2	Yellow	1.18	1.01	.925
659	GYA15000	A	2.0	15.0	1000	0 ± 400	8.5	7.7	10.2	Blue	1.29	1.10	1.00
659	GYA22000	A	2.2	22.0	1000	0 ± 400	8.5	7.7	10.2	Green	1.29	1.10	1.00
659	GYA27000	A	2.3	27.0	1000	0 ± 350	8.5	7.7	10.2	Red	1.36	1.16	1.06
659	GYA36000	A	3.0	36.0	1000	0 ± 300	8.5	7.7	10.2	Violet	1.99	1.70	1.55
659	GYB5R000	B	1.6	5.0	1000	0 ± 300	8.5	7.7	10.2	Clear	2.14	1.82	1.62
659	GYB10000	B	2.0	10.0	1000	0 ± 300	8.5	7.7	10.2	Yellow	2.14	1.82	1.62
659	GYB15000	B	2.0	15.0	1000	0 ± 400	8.5	7.7	10.2	Blue	2.27	1.94	1.77
659	GYB22000	B	2.2	22.0	1000	0 ± 400	8.5	7.7	10.2	Green	2.30	1.97	1.80
659	GYB27000	B	2.3	27.0	1000	0 ± 350	8.5	7.7	10.2	Red	2.37	2.03	1.86
10mm													
659	GYC15000	A	2.0	15.0	1000	0 ± 400	11	10.2	10.2	Blue	1.67	1.43	1.32
659	GYC20000	A	3.0	20.0	1000	0 ± 400	11	10.2	10.2	Green	1.67	1.43	1.32
659	GYC40000	A	3.5	40.0	1000	0 ± 350	11	10.2	10.2	Clear	1.64	1.40	1.29
659	GYC65000	A	4.5	65.0	1000	0 ± 350	11	10.2	10.2	Yellow	1.67	1.43	1.32
659	GYD15000	B	2.0	15.0	1000	0 ± 400	11	10.2	10.2	Blue	2.27	1.94	1.77
659	GYD20000	B	3.0	20.0	1000	0 ± 400	11	10.2	10.2	Green	2.34	2.00	1.83
659	GYD40000	B	3.5	40.0	1000	0 ± 350	11	10.2	10.2	Clear	2.51	2.15	1.97
659	GYD65000	B	4.5	65.0	1000	0 ± 350	11	10.2	10.2	Yellow	2.76	2.36	2.17
659	GZC80000	A	8.0	80.0	200	0 ± 200	11	10.2	10.2	Red	2.27	1.94	1.77
659	GZC10100	A	9.0	100.0	200	0 ± 400	11	10.2	11.4	Violet	3.60	3.08	2.82
659	GZC12100	A	9.0	120.0	200	0 ± 350	11	10.2	11.4	Orange	5.35	4.57	4.18
659	GZC15100	A	10.0	150.0	200	0 ± 350	11	10.2	12.0	Orange	6.22	5.33	4.87
659	GZC18100	A	12.0	180.0	200	0 ± 350	11	10.2	12.0	Orange	7.31	6.26	5.73
659	GZD80000	B	8.0	80.0	200	0 ± 200	11	10.2	10.2	Red	3.04	2.60	2.37
659	GZD10100	B	9.0	100.0	200	0 ± 400	11	10.2	11.4	Violet	4.54	3.90	3.54
659	GZD12100	B	9.0	120.0	200	0 ± 350	11	10.2	11.4	Orange	6.15	5.27	4.83
659	GZD15100	B	10.0	150.0	200	0 ± 350	11	10.2	12.0	Orange	6.96	5.96	5.45
659	GZD18100	B	12.0	180.0	200	0 ± 350	11	10.2	12.0	Orange	7.76	6.65	6.08

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NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

SPRAGUE GOODMAN AIRTRIM® GAA SERIES MULTI-TURN TRIMMER CAPACITORS

Features:

- Multiple mounting styles, including surface mount
- Excellent stability
- Multiturn resolution
- High Q

Specifications:

- Operating temperature range: -65°C to +125°C
- Voltage rating: 250 VDC
- Test voltage: 500 VDC
- Insulation resistance: >10⁶ MΩ min.
- Contact resistance: < 0.01 Ohms
- Torque: .35 to 3.5pF: 0.3 to 3.0 oz-in(22 to 216 g-cm)
.6 to 6.0pF: 0.4 to 4.0 oz-in(29 to 288 g-cm)
1.0 to 16pF: 0.5 to 5.0 oz-in(36 to 360 g-cm)
- Q factor: > 5000 @ 100MHz

Applications:

Designed for VHF, UHF and microwave applications: amplifiers, oscillators, filters, radar, cable TV, mobile radios and RF applications. Suitable for military and aerospace environments.

0.35-3.5 pF Capacitance Range

*Round nut

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA3R501	A	0.26	0.22	0.10	0.16	---	± 30	12.19	10.50	9.00
659	GAA3R503	B	0.26	0.22	0.13	0.16	---	± 30	12.19	10.50	9.00
659	GAA3R505	C	0.28	0.21	0.24	0.16	0.15	± 30	13.81	11.90	10.20
659	GAA3R512	D	0.28	0.21	0.11	0.16	0.40	± 30	13.81	11.90	10.20
659	GAA3R513	E	0.28	0.21	0.25	0.16	0.22	± 30	12.19	10.50	9.00
659	GAA3R514	F	0.28	0.21	0.10	0.16	---	± 30	13.81	11.90	10.20

0.6-6.0 pF Capacitance Range

*Round nut

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA6R001	A	0.27	0.21	0.08	0.24	---	± 15	13.81	11.90	10.20
659	GAA6R004	G	0.29	0.19	0.26	0.24	0.25	± 15	13.81	11.90	10.20
659	GAA6R005	C	0.29	0.19	0.25	0.24	0.20	± 15	14.63	12.60	10.80
659	GAA6R012	D	0.29	0.19	0.11	0.24	0.40	± 15	14.63	12.60	10.80
659	GAA6R014	F	0.29	0.19	0.10	0.24	---	± 15	14.63	12.60	10.80

1.0-10.0 pF Capacitance Range

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA10001	A	0.30	0.20	0.11	0.30	---	± 15	8.13	7.00	6.00
659	GAA10002	H	0.30	0.20	0.06	0.30	---	± 15	8.13	7.00	6.00
659	GAA10003	B	0.30	0.20	0.20	0.30	---	± 15	8.13	7.00	6.00
659	GAA10004	G	0.31	0.19	0.30	0.30	0.31	± 15	8.13	7.00	6.00
659	GAA10005	C	0.31	0.19	0.29	0.30	0.20	± 15	9.75	8.40	7.20
659	GAA10006	I	0.31	0.19	0.11	0.30	0.44	± 15	9.75	8.40	7.20
659	GAA10007	J	0.31	0.19	0.20	0.30	0.44	± 15	9.75	8.40	7.20
659	GAA10008	K	0.30	0.20	0.44	0.30	---	± 15	9.75	8.40	7.20
659	GAA10009	L	0.31	0.19	0.10	0.30	---	± 15	9.75	8.40	7.20

1.0-14.0 pF Capacitance Range

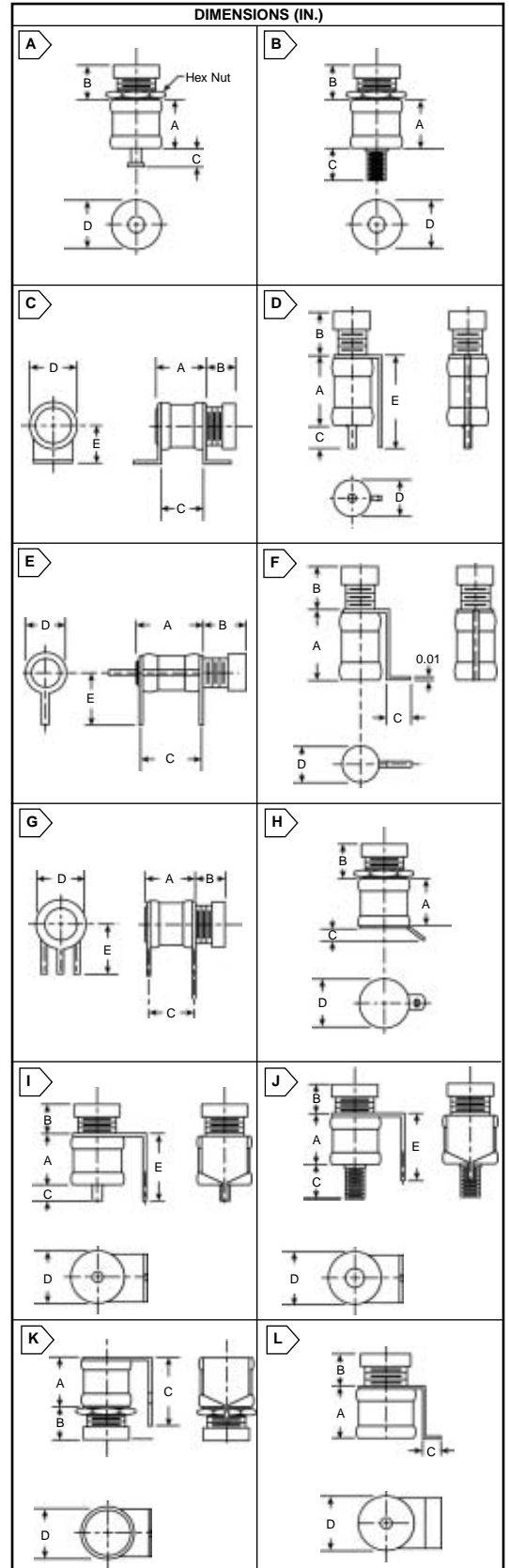
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA14001	A	0.30	0.20	0.11	0.30	---	± 15	8.13	7.00	6.00
659	GAA14002	H	0.30	0.20	0.06	0.30	---	± 15	8.13	7.00	6.00
659	GAA14003	B	0.30	0.20	0.20	0.30	---	± 15	8.13	7.00	6.00
659	GAA14004	G	0.31	0.19	0.30	0.30	0.31	± 15	8.13	7.00	6.00
659	GAA14005	C	0.31	0.19	0.29	0.30	0.20	± 15	9.75	8.40	7.20
659	GAA14006	I	0.31	0.19	0.11	0.30	0.44	± 15	9.75	8.40	7.20
659	GAA14007	J	0.31	0.19	0.20	0.30	0.44	± 15	9.75	8.40	7.20
659	GAA14008	K	0.30	0.20	0.44	0.30	---	± 15	9.75	8.40	7.20
659	GAA14009	L	0.31	0.19	0.10	0.30	---	± 15	8.13	7.00	6.00

2.0-16.0 pF Capacitance Range

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (In.)					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA16001	A	0.30	0.20	0.11	0.30	---	± 15	8.13	7.00	6.00
659	GAA16002	H	0.30	0.20	0.06	0.30	---	± 15	8.13	7.00	6.00
659	GAA16003	B	0.30	0.20	0.20	0.30	---	± 15	8.13	7.00	6.00
659	GAA16004	G	0.31	0.19	0.30	0.30	0.31	± 15	8.13	7.00	6.00
659	GAA16005	C	0.31	0.19	0.29	0.30	0.20	± 15	9.75	8.40	7.20
659	GAA16006	I	0.31	0.19	0.11	0.30	0.44	± 15	9.75	8.40	7.20
659	GAA16007	J	0.31	0.19	0.20	0.30	0.44	± 15	9.75	8.40	7.20
659	GAA16008	K	0.30	0.20	0.44	0.30	---	± 15	9.75	8.40	7.20
659	GAA16009	L	0.31	0.19	0.10	0.30	---	± 15	9.75	8.40	7.20



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Sprague Goodman Trimmer Capacitors

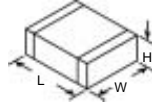
Cornell Dubilier MC Surface Mount Chip and Dipped Mica Capacitors



CORNELL DUBILIER TYPE MC MICA SURFACE MOUNT CHIP CAPACITORS

Specifications:

- Temperature range: -55°C to +125°C
- Q factor: 1pF-80pF = 500 to 3000 min. >80pF = 3000 min.
- Insulation resistance: 100GΩ min.



Features:

- Low impedance to beyond 1GHz
- Near-zero capacitance change in all environments
- Withstands 200% rated voltage for up to 5 seconds
- Applications: CATV, flight radio, precision timing, RF and microwave, resonators, and stripline termination

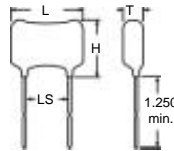
MOUSER STOCK NO.	CDE Type MC	WVDC	Value (pF)	Tol.	Temp. Coeff. ppm/°C	Case Size (In.)			Price Each		
						L	W	H	1	100	500
5982-08-100V1.0	08CA010D	100	1	±5pF	100	.079	.049	.05	1.31	.76	.69
5982-08-100V5.0	08CA050D	100	5	±5pF	100	.079	.049	.05	1.31	.76	.69
5982-08-100V10	08CA100D	100	10	±5pF	100	.079	.049	.05	.97	.56	.51
5982-08-100V15	08CA150J	100	15	±5%	50	.079	.049	.05	1.31	.76	.69
5982-12-100V100	12FA101J	100	100	±5%	25	.126	.098	.059	1.62	.94	.86
5982-12-500V5.0	12CD050D	500	5	±5pF	100	.126	.098	.059	1.62	.94	.86
5982-12-500V7.0	12CD070D	500	7	±5pF	100	.126	.098	.059	1.62	.94	.86
5982-12-500V10	12CD100D	500	10	±5pF	100	.126	.098	.059	1.62	.94	.86
5982-12-500V47	12FD470J	500	47	±5%	25	.126	.098	.059	1.20	.69	.63
5982-18-500V100	18FD101J	500	100	±5%	25	.177	.126	.079	1.45	.84	.77
5982-18-500V220	18FD221J	500	220	±5%	25	.177	.126	.079	1.62	.94	.86
5982-18-500V330	18FD331J	500	330	±5%	25	.177	.126	.079	2.54	1.47	1.34
5982-18-500V470	18FD471J	500	470	±5%	25	.177	.126	.079	2.00	1.16	1.05
5982-22-500V1000	22FD102J	500	1000	±5%	25	.224	.197	.157	2.74	1.58	1.44
5982-22-1000V390	22FF391J	1000	390	±5%	25	.224	.197	.157	2.46	2.05	1.98
5982-22-1000V470	22FF471J	1000	470	±5%	25	.224	.197	.157	2.46	2.05	1.98
5982-22-1000V820	22FF821J	1000	820	±5%	25	.224	.197	.157	3.12	2.60	2.52
5982-22-1000V1000	22FF102J	1000	1000	±5%	25	.224	.197	.157	3.31	2.76	2.67
5982-22-1000V1500	22FF152J	1000	1500	±5%	25	.224	.197	.157	3.99	3.33	3.22

CORNELL DUBILIER DIPPED SILVER-MICA CAPACITORS

Exclusive CDE dipping process to impart high moisture and humidity resistance. Conforms to EIA specifications.

- Tolerance: D=5pF, J=5%
- Temperature range: -55°C to +125°C
- Voltage range: 100, 300, 500, and 1000VWDC
- Vibration test: 10-2000Hz

DIMENSIONS (IN.)



Lead Spacing (In.)							
CD5	CD10	CD15	CD19	CD30	CDV16	CDV19	CDV30
.120	.141	.234	.344	.438	.234	.344	.438

Dipped Mica Dielectric Capacitors (cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type	WVDC	Value (pF)	Dimensions (In.) Max.			Price Each		
				L	H	T	1	25	100
Manufacturer's Type CD15 Series (cont.)									
5982-15-500V100	FD101J03	500	100	.460	.360	.180	.56	.45	.36
5982-15-500V120	FD121J03	500	120	.460	.370	.180	.62	.49	.39
5982-15-500V150	FD151J03	500	150	.460	.370	.190	.65	.52	.41
5982-15-500V180	FD181J03	500	180	.460	.370	.190	.74	.59	.47
5982-15-500V200	FD201J03	500	200	.460	.380	.190	.74	.59	.47
5982-15-500V220	FD221J03	500	220	.460	.380	.200	.78	.62	.50
5982-15-500V250	FD251J03	500	250	.470	.390	.210	.83	.66	.53
5982-15-500V270	FD271J03	500	270	.470	.390	.210	.90	.72	.58
5982-15-500V330	FD331J03	500	330	.470	.390	.210	1.05	.84	.67
5982-15-500V360	FD361J03	500	360	.470	.390	.210	1.15	.92	.73
5982-15-500V390	FD391J03	500	390	.470	.390	.210	1.15	.92	.73
5982-15-500V430	FD431J03	500	430	.470	.390	.210	1.26	1.01	.81
5982-15-500V470	FD471J03	500	470	.470	.400	.220	1.33	1.06	.85
5982-15-500V500	FD501J03	500	500	.470	.400	.220	1.35	1.08	.86
5982-15-500V510	FD511J03	500	510	.460	.400	.220	1.41	1.13	.90
5982-15-300V560	FC561J03	300	560	.460	.380	.210	1.41	1.13	.90
5982-15-300V620	FC621J03	300	620	.470	.380	.210	1.52	1.21	.97
5982-15-300V680	FC681J03	300	680	.470	.390	.210	1.71	1.37	1.09
5982-15-300V820	FC821J03	300	820	.470	.390	.210	1.96	1.57	1.25
5982-15-100V1000	FA102J03	100	1000	.480	.400	.230	1.85	1.48	1.18
Manufacturer's Type CD19 Series									
5982-19-500V270	FD271J03	500	270	.640	.500	.190	1.11	.89	.71
5982-19-500V330	FD331J03	500	330	.640	.500	.190	1.15	.92	.73
5982-19-500V390	FD391J03	500	390	.640	.510	.200	1.19	.95	.76
5982-19-500V470	FD471J03	500	470	.640	.510	.200	1.21	.97	.77
5982-19-500V500	FD501J03	500	500	.650	.510	.200	1.21	.97	.77
5982-19-500V510	FD511J03	500	510	.650	.510	.200	1.21	.97	.77
5982-19-500V560	FD561J03	500	560	.650	.510	.200	1.21	.97	.77
5982-19-500V680	FD681J03	500	680	.650	.510	.210	1.42	1.14	.91
5982-19-500V820	FD821J03	500	820	.650	.510	.210	1.41	1.13	.90
5982-19-500V910	FD911J03	500	910	.650	.510	.210	1.48	1.18	.94
5982-19-500V1000	FD102J03	500	1000	.650	.520	.220	1.51	1.21	.96
5982-19-500V1200	FD122J03	500	1200	.660	.520	.220	1.70	1.36	1.09
5982-19-500V1500	FD152J03	500	1500	.660	.520	.230	1.95	1.56	1.25
5982-19-500V2000	FD202J03	500	2000	.670	.530	.240	2.48	1.99	1.59
5982-19-500V2200	FD222J03	500	2200	.670	.530	.250	2.49	1.99	1.60
5982-19-500V2700	FD272J03	500	2700	.680	.540	.270	2.70	2.16	1.73
5982-19-500V3000	FD302J03	500	3000	.680	.550	.280	2.95	2.36	1.89
5982-19-500V3300	FD332J03	500	3300	.680	.550	.290	3.12	2.50	2.00
5982-19-500V3900	FD392J03	500	3900	.690	.560	.310	3.71	2.96	2.37
5982-19-500V4700	FD472J03	500	4700	.700	.580	.350	4.15	3.32	2.66
Manufacturer's Type CD30 Series									
5982-30-500V6200	FD622J03	500	6200	.780	.870	.290	7.23	5.78	4.63
5982-30-500V10000	FD103J03	500	10000	.800	.890	.340	9.16	7.32	5.86
High Voltage Dipped Mica "Snubbers"									
For quantities greater than listed, call for quote.									
Manufacturer's Type CDV16 Series									
5983-16-1KV430	FF431J03	1000	430	0.45	0.47	0.16	2.12	1.69	1.36
5983-16-1KV680	FF681J03	1000	680	0.46	0.50	0.17	2.73	2.18	1.75
5983-16-1KV820	FF821J03	1000	820	0.46	0.50	0.17	3.11	2.49	1.99
5983-16-1KV1000	FF102J03	1000	1000	0.46	0.50	0.17	3.11	2.49	1.99
5983-16-1KV3000	FF302J03	1000	3000	0.47	0.52	0.25	6.07	4.86	3.88
Manufacturer's Type CDV19 Series									
5983-19-1KV330	FF331J03	1000	330	.650	.510	.200	2.85	2.28	1.82
5983-19-1KV470	FF471J03	1000	470	.650	.510	.200	3.35	2.68	2.14
5983-19-1KV680	FF681J03	1000	680	.660	.520	.220	3.69	2.95	2.36
5983-19-1KV1000	FF102J03	1000	1000	.670	.530	.250	4.11	3.29	2.63
5983-19-1KV1500	FF152J03	1000	1500	.680	.540	.270	4.27	3.42	2.73
5983-19-1KV2200	FF222J03	1000	2200	.690	.560	.310	5.12	4.10	3.28

Cornell Dubilier Metallized Polypropylene Capacitors



CORNELL DUBILIER TYPE FCP SURFACE MOUNT FILM CHIP

Specifications: CAPACITORS

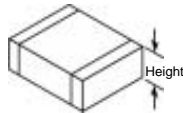
- Temperature range: -55°C to +125°C
- Capacitance tolerance: ±5%
- Rated voltage: 50VDC (16VDC also available)
- Dissipation factor: 0.6% max.

Construction:

- Stacked metallized polyphenylene sulfide film

Features:

- Excellent high frequency performance
- No cracking or buzzing
- Applications: timing and filtering circuits; signal coupling/decoupling, power supply decoupling for wireless communications, graphic boards, personal digital devices, digital signal logic



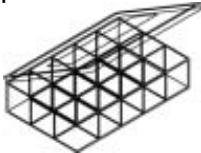
Case Size	Reel Qty.	Reel Size
0805	3000	7"
1206	3000	7"
1210	2000	7"
1913	3000	13"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type FCP	Value	Height (In.)	Price Each			
				1	100	500	Reel
0805 Case Size							
598-FCP50V101	0805H101J-J1	100pF	.031	.26	.24	.21	.17
598-FCP50V221	0805H221J-J1	220pF	.031	.26	.24	.21	.17
598-FCP50V331	0805H331J-J1	330pF	.031	.26	.24	.21	.17
598-FCP50V471	0805H471J-J1	470pF	.031	.26	.24	.21	.17
598-FCP50V681	0805H681J-J1	680pF	.031	.26	.24	.21	.17
598-FCP50V102	0805H102J-J1	1000pF	.031	.26	.24	.21	.17
598-FCP50V222	0805H222J-J1	2200pF	.031	.26	.24	.21	.17
1206 Case Size							
598-FCP50V332	1206H332J-H1	3300pF	.031	.31	.28	.25	.20
598-FCP50V472	1206H472J-H1	4700pF	.031	.33	.29	.26	.21
598-FCP50V682	1206H682J-H1	6800pF	.031	.34	.31	.27	.22
598-FCP50V103	1206H103J-H2	.01µF	.039	.28	.25	.23	.18
1210 Case Size							
598-FCP50V153	1210H153J-G1	.015µF	.039	.36	.32	.28	.23
598-FCP50V273	1210H273J-G2	.027µF	.055	.42	.38	.34	.27
598-FCP50V333	1210H333J-G3	.033µF	.079	.44	.40	.35	.28
1913 Case Size							
598-FCP50V473	1913H473J-E1	.047µF	.055	.45	.40	.36	.28
598-FCP50V683	1913H653J-E1	.068µF	.055	.56	.50	.45	.36
598-FCP50V104	19134104J-E2	.1µF	.079	.47	.42	.37	.30

Engineering and Prototype Kit

Contains 12 each of the 17 values listed above. Total 204 pieces.



MOUSER STOCK NO.	Price Each
598-FCP-KIT1	66.95

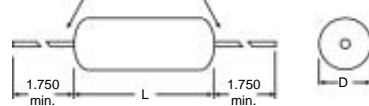
METALLIZED POLYPROPYLENE 935 SERIES

Designed for 20 - 100K Hz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance, and low ESR values are important. Dry sections are sealed with flame-retardant outer wrap and epoxy end seals for moisture resistance. This non-protected film capacitor has Underwriters Laboratories, Inc., recognition for construction only. U.L. File Number assigned is E128034(N)

Specifications

- Tolerance: ±10%
- Temperature range: -55°C to 105°C
- Voltage range: 100, 200, and 400VDC
- Maximum DF (1K Hz, +25°C): 0.1%
- Capacitance range: 1-30µF
- Dielectric strength: 200%
- Insulation resistance: 200,000MΩ x µF
- Life test: 1,000 hrs. at 85°C @ 150% rated voltage

Tinned Solid Copper Leads



DIMENSIONS (IN.)

100 Volt (70 VAC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type 935	Value (µF)	Dimensions (In.) Max.			Price Each			
			D	Tol. ±	L	1	25	50	100
5984-100V1	C1W1K	1	0.469	.062	0.750	5.86	4.88	4.39	3.91
5984-100V2	C1W2K	2	0.534	.062	0.938	6.18	5.15	4.63	4.12
5984-100V5	C1W5K	5	0.640	.093	1.250	6.89	5.74	5.17	4.59
5984-100V10	C1W10K	10	0.805	.093	1.500	14.93	12.45	11.20	9.96
5984-100V20	C1W20K	20	0.875	.125	2.250	16.05	13.37	12.04	10.70

200 Volt (140 VAC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type	Value (µF)	D	Tol. ±	L	Price Each			
						1	25	50	100
5984-200V1	C2W1K	1	0.450	.062	1.250	4.29	3.58	3.22	2.86
5984-200V2	C2W2K	2	0.605	.093	1.250	5.28	4.40	3.96	3.52
5984-200V3	C2W3K	3	0.654	.093	1.500	5.78	4.82	4.34	3.85
5984-200V5	C2W5K	5	0.769	.093	1.750	6.75	5.62	5.06	4.50
5984-200V10	C2W10K	10	0.905	.125	2.250	10.53	8.78	7.90	7.02

400 Volt (275 VAC)

For quantities greater than listed, call for quote.

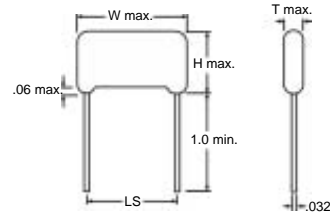
MOUSER STOCK NO.	CDE Type	Value (µF)	D	Tol. ±	L	Price Each			
						1	25	50	100
5984-400V1	C4W1K	1	0.620	.093	1.500	5.93	4.95	4.45	3.96
5984-400V2	C4W2K	2	0.802	.093	1.750	6.70	5.59	5.03	4.47
5984-400V3	C4W3K	3	0.961	.125	1.750	8.62	7.18	6.46	5.74
5984-400V5	C4W5K	5	1.067	.125	2.250	10.53	8.78	7.90	7.02
5984-400V10	C4W10K	10	1.543	.125	2.250	13.78	11.49	10.34	9.19

METALLIZED POLYPROPYLENE RADIAL SNUBBERS

Type DPPM radial-leaded, metallized polypropylene capacitors utilize series wound extended foil with floating metallized common foil construction. Type DPPM offers excellent high frequency and high current capabilities and self-healing characteristics. With low inductance and high dV/dt characteristics, DPPM is ideal for snubber applications.

Specifications:

- Voltage range: 1000-2000VDC (450-500VAC)
- Capacitance range: .001-.047µF
- Capacitance tolerance: ±10%
- Operating temperature range: -40°C to 105°C full-rated voltage @ 85°C - derate linearly to 50% - rated voltage @ 105°C
- Dielectric strength: 175%
- Dissipation Factor: .10% max.
- Insulation resistance: 400,000MΩ min.
- Life test: 500 hours at 85°C @ 150% rated voltage



DIMENSIONS (IN.)

1000 VDC (450 VAC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type DPPM	Value (µF)	Dimensions (In.)				Price Each			
			W	H	T	LS	1	10	100	1000
5989-1KV.001	10D1K	.001	.984	.452	.256	.826	.83	.71	.59	.384
5989-1KV.0022	10D22K	.0022	.984	.452	.256	.826	.83	.71	.59	.384
5989-1KV.0047	10D47K	.0047	.984	.531	.295	.826	.88	.76	.63	.409
5989-1KV.01-1	10S1K	.01	.984	.649	.374	.826	.93	.80	.66	.43
5989-1KV.015-1	10S15K	.015	1.220	.669	.374	1.043	.98	.84	.70	.483
5989-1KV.022-1	10S22K	.022	1.220	.728	.433	1.043	1.44	1.23	1.03	.666
5989-1KV.033-1	10S33K	.033	1.220	.807	.511	1.043	1.72	1.47	1.23	.795

1200 VDC (475 VAC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type DPPM	Value (µF)	Dimensions (In.)				Price Each			
			W	H	T	LS	1	10	100	1000
5989-1.2KV.001	12D1K	.001	.984	.452	.256	.826	.87	.75	.62	.402
5989-1.2KV.0015	12D15K	.0015	.984	.452	.256	.826	.87	.75	.62	.402
5989-1.2KV.0022	12D22K	.0022	.984	.492	.275	.826	.87	.75	.62	.402
5989-1.2KV.0033	12D33K	.0033	.984	.511	.295	.826	.95	.82	.68	.441
5989-1.2KV.0047	12D47K	.0047	.984	.551	.314	.826	.95	.82	.68	.441
5989-1.2KV.01	12S1K	.01	1.220	.629	.354	1.043	1.07	.92	.77	.496
5989-1.2KV.015	12S15K	.015	1.220	.708	.413	1.043	1.41	1.21	1.01	.654
5989-1.2KV.022	12S22K	.022	1.220	.787	.472	1.043	1.68	1.44	1.20	.776
5989-1.2KV.033	12S33K	.033	1.220	.866	.551	1.043	2.11	1.81	1.51	.977

1600 VDC (500 VAC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type DPPM	Value (µF)	Dimensions (In.)				Price Each			
			W	H	T	LS	1	10	100	1000
5989-1.6KV.001	16D1K	.001	.984	.452	.256	.826	.89	.77	.64	.413
5989-1.6KV.0015	16D15K	.0015	.984	.492	.275	.826	.89	.77	.64	.413
5989-1.6KV.0022	16D22K	.0022	.984	.590	.314	.826	.89	.77	.64	.413
5989-1.6KV.0033	16D33K	.0033	.984	.649	.374	.826	1.00	.86	.71	.462
5989-1.6KV.0047	16D47K	.0047	.984	.748	.413	.826	1.11	.95	.79	.512
5989-1.6KV.01	16S1K	.01	1.220	.866	.472	1.043	1.35	1.16	.97	.624
5989-1.6KV.015	16S15K	.015	1.220	.964	.590	1.043	1.72	1.47	1.23	.797
5989-1.6KV.022	16S22K	.022	1.220	1.082	.708	1.043	2.10	1.80	1.50	.97

2000 VDC (500 VAC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CDE Type DPPM	Value (µF)	Dimensions (In.)				Price Each			
			W	H	T	LS	1	10	100	1000
5989-2KV.001	20D1K	.001	.984	.492	.275	.826	.96	.82	.69	.444
5989-2KV.0015	20D15K	.0015	.984	.551	.314	.826	.96	.82	.69	.444
5989-2KV.0022	20D22K	.0022	.984	.629	.354	.826	.96	.82	.69	.444
5989-2KV.0033	20D33K	.0033	.984	.688	.413	.826	1.14	.98	.82	.528
5989-2KV.0047	20D47K	.0047	1.220	.748	.393	1.043	1.26	1.08	.90	.582
5989-2KV.01	20S1K	.01	1.220	.866	.551	1.043	1.64	1.40	1.17	.759
5989-2KV.015	20S15K	.015	1.220	.964	.629	1.043	2.07	1.77	1.48	.958

Film Capacitors
Cornell Dubilier

Metallized Polyester Film Capacitors

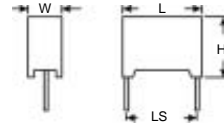
AVX BN SERIES METALLIZED POLYESTER FILM

Applications:

- Decoupling with AC or pulse components
- High current uses
- Capacitive dividers
- Energy saving lamps, etc.

Technology:

- Dielectric: Polyester film
- Stacked-film for pitch 7.5, 10 & 15mm (63Vdc...400Vdc)
- Wound capacitor for pitch 7.5 & 10 & 15mm (630Vdc/1000Vdc)
- Leads: Radial tinned copper wire
- Protection: Plastic case (UL94:V-O)/Polyurethane resin



DIMENSIONS (mm)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Value (µF)	Max. L	Max. H	Max. W	LS	Price Each				
						1	100	500	1000	2000
100 Volts										
581 - BN104E0104K	.1	12.7	9.2	4.2	10	.21	.19	.17	.16	.15
581 - BN104E0154K	.15	12.7	9.2	4.2	10	.21	.19	.17	.16	.15
581 - BN104E0224K	.22	12.7	9.2	4.2	10	.21	.19	.17	.16	.15
581 - BN154E0334K	.33	17.7	10.6	5.2	15	.23	.21	.19	.17	.16
581 - BN154E0474K	.47	17.7	10.6	5.2	15	.26	.23	.20	.19	.18
581 - BN154E0105K	1	17.7	10.6	5.2	15	.32	.29	.26	.24	.23
250 Volts										
581 - BN104G0473K	.047	12.7	9.2	4.2	10	.18	.17	.15	.14	.13
581 - BN074G0473K	.047	9.3	8.2	3.3	7.5	.18	.17	.15	.14	.13
581 - BN104G0104K	.1	12.7	9.2	4.2	10	.18	.17	.15	.14	.13
581 - BN154G0684K	.68	17.7	12.2	6.2	15	.32	.29	.26	.24	.23

MOUSER STOCK NO.	Value (µF)	Max. L	Max. H	Max. W	LS	Price Each				
						1	100	500	1000	2000
400 Volts										
581 - BN074I0223K	.022	9.3	8.2	3.3	7.5	.18	.17	.15	.14	.12
581 - BN104I0223K	.022	12.7	9.2	4.2	10	.20	.18	.16	.15	.14
581 - BN104I0473K	.047	12.7	9.2	4.2	10	.20	.18	.16	.15	.14
581 - BN074I0683K	.068	10.1	11.2	5.2	7.5	.23	.21	.19	.17	.16
581 - BN154I0683K	.068	17.7	10.6	5.2	15	.24	.22	.20	.18	.17
581 - BN154I0104K	.1	17.7	10.6	5.2	15	.24	.22	.20	.18	.17
630 Volts										
581 - BN074K0102K	.001	9.3	8.2	3.3	7.5	.24	.22	.19	.18	.17
581 - BN104K0472K	.0047	12.7	9.2	4.2	10	.21	.19	.17	.16	.15
581 - BN154K0333K	.033	17.7	10.6	5.2	15	.28	.25	.22	.21	.20
1000 Volts										
581 - BN224L0104K	.1	26.7	19.6	10.2	22.5	.42	.38	.34	.31	.30

Film Capacitors

AVX BF SERIES MULTILAYER METALLIZED POLYESTER FILM

The industry standard upgrade for CK05 type ceramic capacitors

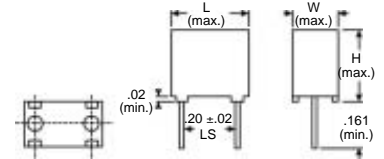
The AVX multilayer film capacitors are a fully automated line of metallized miniature polyester film capacitors, featuring a proprietary multilayer film construction. These capacitors are especially well suited for printed circuits, coupling and decoupling of logic integrated circuits, filtering, timing, bypass, or in space-limited applications.

Features:

- Space-saving multilayer film construction
- Superior electrical characteristics
- Recommended soldering conditions are: 260°C for 5 seconds

Specifications:

- Insulation resistance: > 10GΩ typical (4GΩ min.)
- Dissipation factor: < 0.8% @ 1kHz
- Operating Temperature: -55°C to 100°C derated @ 1.25% per °C from 85°C to 100°C



DIMENSIONS (mm)

63 Volt ±10% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Dimensions (mm)			Price Each			
			L	W	H	1	100	500	1000
581-3N3K63	BF014D0332K	0.0033	7.5	2.5	6.5	.26	.17	.16	.14
581-22NK63	BF014D0223K	0.022	7.5	2.5	6.5	.26	.17	.16	.14
581-100NK63	BF014D0104K	0.1	7.5	2.5	6.5	.28	.19	.18	.16
581-BF63V154K	BF014D0154K	0.15	7.5	2.5	6.5	.39	.26	.24	.22
581-150NK63	BF024D0154K	0.15	7.5	3.2	8	.39	.26	.24	.22
581-BF63V224K	BF014D0224K	0.22	7.5	2.5	6.5	.44	.29	.27	.24
581-330NK63	BF024D0334K	0.33	7.5	3.2	8	.53	.35	.32	.29
581-470NK63	BF074D0474K	0.47	7.5	5.0	8.0	.67	.45	.41	.37
581-1000NK63	BF074D0105K	1	7.5	5.0	8.0	1.31	.87	.80	.73

63 Volt ±5% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Dimensions (mm)			Price Each			
			L	W	H	1	100	500	1000
581-1N0J63	BF014D0102J	0.001	7.5	2.5	6.5	.27	.18	.17	.15
581-10NJ63	BF014D0103J	0.01	7.5	2.5	6.5	.28	.19	.18	.16
581-100NJ63	BF014D0104J	0.1	7.5	2.5	6.5	.30	.21	.19	.17
581-330NJ63	BF024D0334J	0.33	7.5	3.2	8	.58	.39	.35	.32
581-470NJ63	BF074D0474J	0.47	7.5	5.0	8.0	.73	.49	.45	.41
581-1000NJ63	BF074D0105J	1	7.5	5.0	8.0	1.40	.94	.86	.80

100 Volt ±10% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Dimensions (mm)			Price Each			
			L	W	H	1	100	500	1000
581-1N0K100	BF014E0102K	0.001	7.5	2.5	6.5	.26	.17	.16	.14
581-2N2K100	BF014E0222K	0.0022	7.5	2.5	6.5	.26	.17	.16	.14
581-3N3K100	BF014E0332K	0.0033	7.5	2.5	6.5	.26	.17	.16	.14
581-4N7K100	BF014E0472K	0.0047	7.5	2.5	6.5	.26	.17	.16	.14
581-6N8K100	BF014E0682K	0.0068	7.5	2.5	6.5	.26	.17	.16	.14
581-10NK100	BF014E0103K	0.01	7.5	2.5	6.5	.26	.17	.16	.14

100 Volt ±10% Tolerance (cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Dimensions (mm)			Price Each			
			L	W	H	1	100	500	1000
581-15NK100	BF014E0153K	0.015	7.5	2.5	6.5	.26	.17	.16	.14
581-22NK100	BF014E0223K	0.022	7.5	2.5	6.5	.26	.17	.16	.14
581-33NK100	BF014E0333K	0.033	7.5	2.5	6.5	.26	.17	.16	.14
581-47NK100	BF014E0473K	0.047	7.5	2.5	6.5	.26	.17	.16	.14
581-68NK100	BF014E0683K	0.068	7.5	2.5	6.5	.27	.18	.17	.15
581-100NK100	BF014E0104K	0.1	7.5	2.5	6.5	.28	.19	.18	.16

100 Volt ±5% Tolerance

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	L	W	H	1	100	500	1000
581-100NJ100	BF014E0104J	0.1	7.5	2.5	6.5	.30	.21	.19	.17

Metallized Polyester Film Capacitor Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	VVDC	Kit Contains 245 Pieces	Price Each
581-BFKIT	BF004-0359	63V	20 each: 100pF, .01µF, .1µF, .22µF, and .33µF 10 each: .47µF and 1.0µF	39.95
		100V	20 each: 4700pF and .1µF 5 each: .47µF	
		250V	20 each: 4700pF and .033µF	
		400V	10 each: .1µF 20 each: .01µF 10 each: .047µF	

MALLORY 158X SERIES - TYPE X2

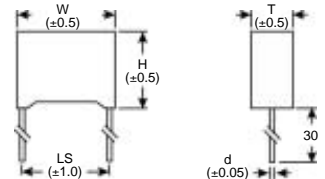
Features:

- UL 1414 and CSA Approved
- Flame retardant case meets UL 94V0
- Polyurethane end fill meets UL 94V0
- Used in applications where damage to the capacitor will not lead to the danger of electrical shock

Specifications:

- Operating temperature: -40°C to +100°C
- Voltage range: 250Vrms
- Tolerance: ±20%
- Lead material: tinned copper clad steel

DIMENSIONS (mm)



For quantities greater than listed, call for quote.

Safety Agency	Standard	File Number
UL	UL-1414	E151554
UL	UL-1283	E151553
CSA	C22 2, No.8-M1986	LR37404-33M
VDE	VDE0565-1	18022-4670-1700
SEMKO	SS443-04-01	9308002
SEV	SEV1055	92.552158.01
EI	E384/14-82 (IEC384-14, 1981)	164090-01
DEMKO	Heavy Current Regulations Section 21 and IEC384-14	112398EC/121
NEMKO	NEMKO132/85	M70107

MOUSER STOCK NO.	Value (µF)	Dimensions mm					Price Each			
		W	T	H	LS	d	1	50	100	500
539 - 158X103	0.01	17.0	5.0	12.0	15.0	0.6	.63	.57	.51	.40
539 - 158X223	0.022	17.0	5.0	12.0	15.0	0.6	.63	.57	.51	.40
539 - 158X333	0.033	17.0	5.0	12.0	15.0	0.6	.81	.73	.65	.52
539 - 158X473	0.047	17.0	5.5	12.5	15.0	0.8	.65	.58	.52	.41
539 - 158X104	0.1	17.0	8.0	15.0	15.0	0.8	.66	.59	.53	.42
539 - 158X224	0.22	25.0	8.0	17.5	22.5	0.8	1.10	.99	.88	.70
539 - 158X334	0.33	25.0	10.0	19.5	22.5	0.8	1.67	1.51	1.34	1.07
539 - 158X474	0.47	30.0	11.0	22.0	27.5	0.8	1.61	1.44	1.28	1.03
539 - 158X684	0.68	30.0	13.5	24.5	27.5	0.8	2.89	2.60	2.31	1.85
539 - 158X105	1	30.5	15.0	24.5	27.5	1.0	2.94	2.64	2.35	1.88
539 - 158X225	2.2	41.0	17.5	32.8	37.5	1.0	7.35	6.62	5.88	4.70

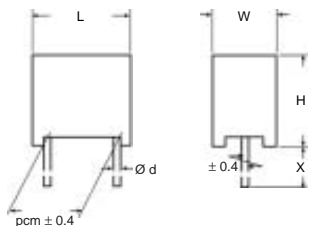


Vishay Capacitors



F1778 SUPPRESSION CAPACITORS (MKP) CLASS X2 AC 275 V

DIMENSIONS (mm)



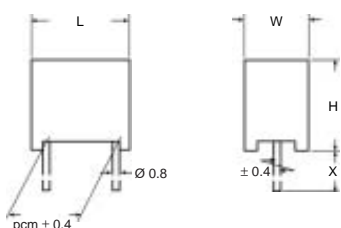
Specifications:

- Dielectric: polypropylene film
- Electrodes: metal evaporated
- Construction: metallized film capacitor, single design
- Rated Voltage: AC 275 V, 50 / 60 Hz
- Coating: plastic case, epoxy resin sealed, flame retardant. UL-class 94-V0
- Capacitance Tolerance: standard: $\pm 20\%$ / $\pm 10\%$

MOUSER STOCK NO.	Value uF	Tolerance	Dimensions (mm)			Price Each		
			W	H	L	1	50	100
75-F1778310M2DCB0	0.01	20%	3.7	8.9	12.8	.49	.41	.32
75-F1778322M2DBB0	0.022	20%	5.3	10.4	12.8	.49	.41	.32
75-F1778347M2FCB0	0.047	20%	5.3	10.4	17.8	.52	.44	.34
75-F1778410M2FCB0	0.1	20%	7.3	13.4	17.8	.84	.71	.55
75-F1778422M2FCB0	0.22	20%	8.3	17.4	17.8	.75	.63	.48
75-F1778447M2ICT0	0.47	20%	10.2	18.4	26.3	1.02	.86	.66
75-F1778510M2KCT0	1.0	20%	13.0	23.3	31.2	1.66	1.41	1.08
75-F1778522M2KCT0	2.2	20%	17.8	32.4	31.2	2.77	2.35	1.80

F1710 SUPPRESSION CAPACITORS (MKT) CLASS Y2 AC 250 V

DIMENSIONS (mm)



Specifications:

- Dielectric: polyester film
- Rated Voltage: AC 250 V, 50 / 60 Hz
- Coating: plastic case, epoxy resin sealed, flame retardant
- Capacitance Tolerance: $\pm 20\%$

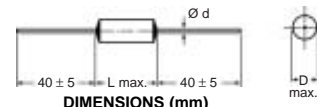
MOUSER STOCK NO.	Value	Tolerance	Dimensions (mm)			Price Each		
			W	H	L	1	50	100
75-F17102101000	1000pF	20%	5.3	10.4	17.8	.68	.62	.57
75-F17102221000	2200pF	20%	5.3	10.4	17.8	.68	.62	.57
75-F17102471000	4700pF	20%	5.3	10.4	17.8	.68	.62	.57
75-F17103101000	0.01uF	20%	6.3	12.4	17.8	.80	.74	.67
75-F17103221000	0.022uF	20%	8.3	17.4	17.8	1.10	1.01	.92
75-F17103471000	0.047uF	20%	8.2	16.4	26.3	1.54	1.41	1.28
75-F17104101000	0.1uF	20%	11.0	20.3	31.2	2.31	2.11	1.92

F1773 SUPPRESSION CAPACITORS (MKT) CLASS X2 AC 250 V / AC 253 V AXIAL



Specifications:

- Dielectric: polyester film
- Construction: metallized film capacitor, internal series connection
- Rated Voltage: AC 250 V, 50 / 60 Hz AC 253 V, 50 / 60 Hz



DIMENSIONS (mm)

MOUSER STOCK NO.	Value uF	Tolerance	Dimensions (mm)		Price Each		
			D	L	1	50	100
75-F17734102000	0.1	10%	9.5	19.0	1.04	.96	.87
75-F17734222000	0.22	10%	10.0	26.5	1.35	1.24	1.13
75-F17734332000	0.33	10%	12.0	26.5	1.61	1.48	1.34
75-F17734472000	0.47	10%	14.0	26.5	1.78	1.63	1.48
75-F17734682000	0.68	10%	15.0	31.5	2.06	1.89	1.71
75-F17735102000	1.0	10%	18.0	31.5	2.78	2.55	2.32
75-F17735152000	1.5	10%	18.0	41.5	3.20	2.93	2.67
75-F17735222000	2.2	10%	21.5	41.5	4.49	4.12	3.75

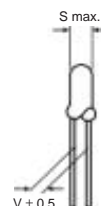
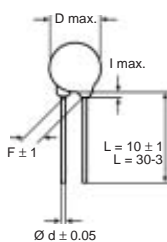
WKP SUPPRESSION CAPACITORS CLASS Y1 AC 400/440 V



DIMENSIONS (mm)

Specifications:

- Design: disc capacitor with epoxy coating
- Rated voltage U_s : Y1 \Rightarrow AC 400 V; 50/60 Hz
- Coating: epoxy, dipped, insulating, flame retarding (UL 94V0)
- Important: minimum thickness of 0.4 mm for the epoxy coating is now confirmed by the VDE-approval board in Germany.



MOUSER STOCK NO.	Value pF	Tolerance	Price Each		
			1	50	100
75-WKP330MCPEF0K	33	20%	.49	.45	.41
75-WKP470MCPEF0K	47	20%	.49	.45	.41
75-WKP680MCPEF0K	68	20%	.49	.45	.41
75-WKP101MCPEF0K	100	20%	.49	.45	.41
75-WKP151MCPEF0K	150	20%	.49	.45	.41
75-WKP221MCPEF0K	220	20%	.49	.45	.41
75-WKP331MCPEF0K	330	20%	.49	.45	.41
75-WKP471MCPEF0K	470	20%	.49	.45	.41
75-WKP681MCPEF0K	680	20%	.49	.45	.41
75-WKP102MCPEJ0K	1000	20%	.61	.56	.51
75-WKP152MCPEJ0K	1500	20%	.80	.73	.67
75-WKP222MCPEJ0K	2200	20%	1.00	.91	.83
75-WKP332MCPEJ0K	3300	20%	1.37	1.26	1.14
75-WKP472MCPEJ0K	4700	20%	1.70	1.56	1.42

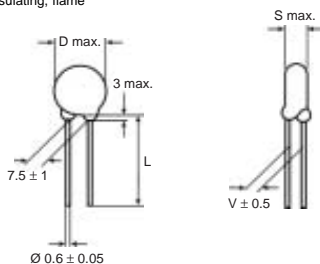
WYO SUPPRESSION CAPACITORS CLASS Y2 AC 250 V



Specifications:

- Design: disc capacitor with epoxy coating
- Rated Voltage U_r : Y2 \Rightarrow AC 250 V, 50/60 Hz
- Coating: epoxy, dipped, insulating, flame retarding (UL 94V0)

DIMENSIONS (mm)

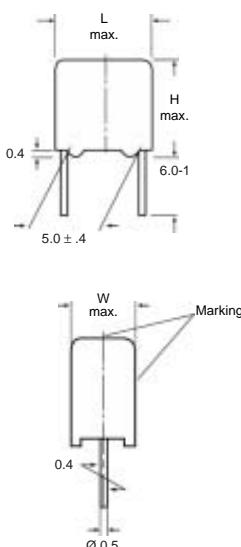


MOUSER STOCK NO.	Value	Tolerance	Price Each		
			1	50	100
75-WYO102MCMCF0K	1000pF	20%	.27	.25	.23
75-WYO152MCMCF0K	1500pF	20%	.33	.31	.28
75-WYO182MCMCF0K	1800pF	20%	.36	.33	.30
75-WYO222MCMCF0K	2200pF	20%	.36	.33	.30
75-WYO332MCMCF0K	3300pF	20%	.54	.49	.45
75-WYO472MCMCF0K	4700pF	20%	.65	.59	.54
75-WYO682MCMCF0K	6800pF	20%	1.13	1.03	.94
75-WYO822MCMCF0K	8200pF	20%	1.13	1.03	.94
75-WYO103MCMCF0K	0.01uF	20%	1.56	1.43	1.30
75-WYO123MCMCF0K	0.012uF	20%	1.56	1.43	1.30

MKT 1826 SERIES METALLIZED POLYESTER FILM CAPACITORS



DIMENSIONS (mm)



Features:

- Stacked film construction
- Small size
- Widest range of C-values
- Auto insertable

Applications:

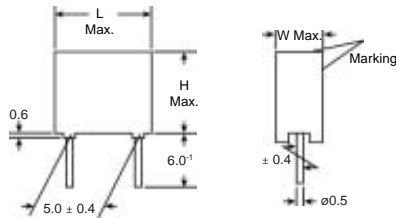
- Blocking
- Bypassing
- Filtering and timing
- High frequency
- Coupling and decoupling for fast digital and analog ICs
- Interference suppression
- In low voltage applications

MOUSER STOCK NO.	Volt	Value	Tolerance %	Price Each		
				1	50	100
75-MKT1826210014	100	1000pF	5%	.21	.19	.17
75-MKT1826222014	100	2200pF	5%	.21	.19	.17
75-MKT1826233015	100	3300pF	10%	.20	.18	.16
75-MKT1826247014	100	4700pF	5%	.21	.19	.17
75-MKT1826268015	100	6800pF	10%	.20	.18	.16
75-MKT1826310014	100	0.01uF	5%	.21	.19	.17
75-MKT1826315015	100	0.015uF	10%	.20	.18	.16
75-MKT1826322014	100	0.022uF	5%	.21	.19	.17
75-MKT1826333015	100	0.033uF	10%	.20	.18	.16
75-MKT1826347014	100	0.047uF	5%	.21	.19	.17
75-MKT1826368015	100	0.068uF	10%	.20	.18	.16
75-MKT1826410064	63	0.1uF	5%	.21	.19	.17
75-MKT1826415064	63	0.15uF	5%	.33	.29	.26
75-MKT1826422064	63	0.22uF	5%	.38	.34	.30
75-MKT1826433064	63	0.33uF	5%	.45	.40	.36
75-MKT1826447064	63	0.47uF	5%	.64	.58	.51
75-MKT1826468064	63	0.68uF	5%	.88	.79	.70
75-MKT1826510064	63	1.0uF	5%	.93	.83	.74
75-MKT1826515054	50	1.5uF	5%	1.98	1.78	1.58
75-MKT1826522055	50	2.2uF	10%	3.03	2.72	2.42
75-MKT1826533055	50	3.3uF	10%	5.53	4.97	4.42

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

MKT1817 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



Specifications:

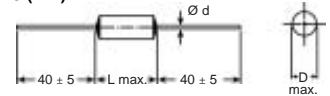
- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	WVDC	Tolerance	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75	MKT1817410064	0.1	63	5	2.5	6.0	7.5	.26	.23	.19
75	MKT1817410065	0.1	63	10	2.5	6.0	7.5	.25	.22	.18
75	MKT1817422064	0.22	63	5	3.5	8.5	7.5	.34	.29	.24
75	MKT1817422065	0.22	63	10	3.5	8.5	7.5	.32	.28	.23
75	MKT1817433065	0.33	63	10	4.5	9.5	7.5	.41	.35	.29
75	MKT1817447064	0.47	63	5	5.0	10.0	7.5	.53	.45	.38
75	MKT1817447065	0.47	63	10	5.0	10.0	7.5	.48	.41	.34
75	MKT1817510064	1	63	5	5.5	11.5	7.5	.77	.66	.55
75	MKT1817510065	1	63	10	5.5	11.5	7.5	.74	.63	.53
75	MKT1817310015	0.01	100	10	2.5	6.0	7.5	.27	.23	.19
75	MKT1817322014	0.022	100	5	2.5	6.0	7.5	.23	.20	.17
75	MKT1817322015	0.022	100	10	2.5	6.0	7.5	.22	.19	.16
75	MKT1817347014	0.047	100	5	2.5	6.0	7.5	.23	.20	.17
75	MKT1817310254	0.01	250	5	2.5	6.0	7.5	.30	.26	.22
75	MKT1817410255	0.1	250	10	5.5	11.5	7.5	.46	.39	.33
75	MKT1817210405	0.001	400	10	2.5	6.0	7.5	.27	.23	.19

MKT1813 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



Specifications:

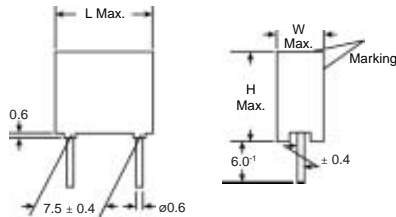
- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: plastic-wrapped, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	WVDC	Tolerance	Dimensions		Price Each		
Mfr.	Mfr. Part No.				D	L	1	50	100
75	MKT1813447064	0.47	63	5	7.0	14.0	1.02	.88	.73
75	MKT1813522064	2.2	63	5	8.5	26.5	2.66	2.28	1.90
75	MKT1813533064	3.3	63	5	10.0	26.5	3.55	3.04	2.53
75	MKT1813410014	0.1	100	5	5.0	11.0	.64	.55	.46
75	MKT1813422015	0.22	100	10	6.0	14.0	.64	.55	.46
75	MKT1813510014	1	100	5	8.5	19.0	1.37	1.17	.98
75	MKT1813510015	1	100	10	8.5	19.0	1.26	1.08	.90
75	MKT1813322254	0.022	250	5	5.0	11.0	.59	.50	.42
75	MKT1813322255	0.022	250	10	5.0	11.0	.27	.23	.19
75	MKT1813410254	0.1	250	5	6.0	14.0	.66	.56	.47
75	MKT1813510255	1	250	10	10.0	26.5	1.90	1.63	1.36
75	MKT1813310404	0.01	400	5	5.0	11.0	.59	.50	.42
75	MKT1813410635	0.1	630	10	10.5	19.0	1.77	1.52	1.26

MKT1818 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



Specifications:

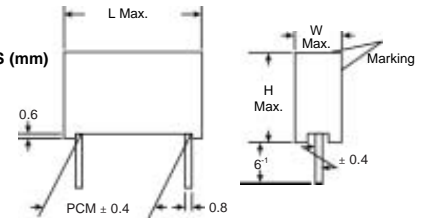
- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	WVDC	Tolerance	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75	MKT1818433064	0.33	63	5	4.0	9.0	10.0	.37	.32	.27
75	MKT1818447064	0.47	63	5	4.5	9.5	10.0	.49	.42	.35
75	MKT1818510064	1	63	5	5.7	11.5	10.3	.77	.66	.55
75	MKT1818510065	1	63	10	5.7	11.5	10.3	.72	.62	.52
75	MKT1818410014	0.1	100	5	3.0	8.5	10.0	.27	.23	.19
75	MKT1818410015	0.1	100	10	3.0	8.5	10.0	.26	.22	.18
75	MKT1818433014	0.33	100	5	5.0	10.5	10.3	.45	.39	.32
75	MKT1818410255	0.01	250	10	2.5	7.5	10.0	.22	.19	.16

MKT1822 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS (mm)



Specifications:

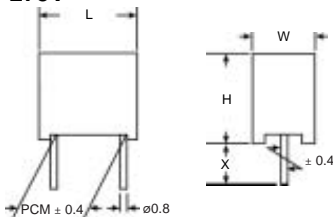
- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealed
- Construction: extended metallized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	WVDC	Tolerance	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75	MKT1822510064	1	63	5	5.5	10.5	18.0	1.21	1.04	.86
75	MKT1822522064	2.2	63	5	7.5	13.5	18.0	2.23	1.91	1.59
75	MKT1822410014	0.1	100	5	4.0	9.0	13.0	.43	.37	.31
75	MKT1822422015	0.22	100	10	4.5	9.5	13.0	.50	.43	.36
75	MKT1822447014	0.47	100	5	5.5	10.5	18.0	.73	.63	.52
75	MKT1822510015	1	100	10	7.5	13.5	18.0	1.07	.92	.76
75	MKT1822347254	0.047	250	5	4.0	9.0	13.0	.39	.33	.28
75	MKT1822510255	1	250	10	8.5	16.5	26.5	1.31	1.13	.94
75	MKT1822310404	0.01	400	5	4.0	9.0	13.0	.39	.33	.28
75	MKT1822333404	0.033	400	5	4.0	9.0	13.0	.41	.35	.29
75	MKT1822447405	0.47	400	5	10.5	18.5	26.5	1.25	1.07	.90
75	MKT1822310635	0.01	630	10	4.0	9.0	13.0	.46	.39	.33

F1772 SUPPRESSION CAPACITORS (MKT) CLASS X2 AC 275V

DIMENSIONS (mm)



Specifications:

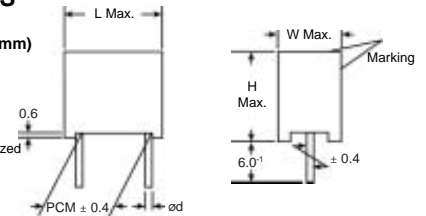
- Dielectric: polyester film
- Electrodes: metal evaporated
- Construction: metallized film capacitor, internal series connection
- Rated Voltage: AC 275V, 50/60Hz
- Coating: plastic case, epoxy resin sealed, flame retardant; UL 94V-0
- Capacitance Tolerance: ±10% standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	VOLT	Tolerance	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75	F17724102000	0.1	275	10%	8.3	14.4	17.8	1.05	.90	.75
75	F1772422000	0.22	275	10%	8.3	16.4	26.2	1.40	1.20	1.00
75	F1772433000	0.33	275	10%	10.3	18.4	26.2	1.88	1.61	1.34
75	F1772447000	0.47	275	10%	11.0	20.3	31.2	2.26	1.94	1.62
75	F1772468000	0.68	275	10%	13.3	23.3	31.2	2.91	2.49	2.08
75	F17725102000	1	275	10%	14.5	24.4	31.2	3.76	3.23	2.69
75	F1772522000	2.2	275	10%	17.9	32.4	41.2	6.88	5.90	4.92

MKP1841 METALLIZED POLYPROPYLENE FILM CAPACITORS

DIMENSIONS (mm)



Specifications:

- Dielectric: polypropylene film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, blue, epoxy resin sealed
- Construction: extended double-sided metallized polypropylene film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±0.5% for a period of two years
- Reliability: operational life > 300,000 hours

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (uF)	WVDC	Tolerance	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75	MKP1841422255	0.22	250	10	8.5	17.5	18.0	1.40	1.20	1.00
75	MKP1841415404	0.15	400	5	8.5	16.5	26.5	1.52	1.30	1.08
75	MKP1841215635	.0015	630	10	3.0	8.5	10.0	.58	.50	.41
75	MKP1841310635	0.01	630	10	5.5	10.5	18.0	.65	.56	.47
75	MKP1841310105	0.01	1000	10	6.5	14.5	26.5	1.09	.93	.78
75	MKP1841410105	0.1	1000	10	13.5	23.5	31.5	2.88	2.47	2.06

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Vishay Film Capacitors



Vishay Film and Foil Capacitors



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

192P SERIES POLYESTER FILM/FOIL, SLEEVED, MINIATURE, AXIAL LEAD CAPACITORS

Specifications:

- Encased in an orange heat shrinkable polyolefin sleeve
- Non-inductively wound
- Moisture resistant
- Dissipation Factor: 1.0% Maximum
- Voltage Test: 200% of rated voltage for 1 minute
- Operating Temperature is -55°C to +85°C
- Standard Capacitance Tolerance is 10%



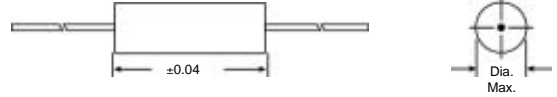
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions Dia. x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
80 VDC/55 VAC							
75	192P222X9080	0.0022	.153 x .437	.69	.44	.31	.29
75	192P472X9080	0.0047	.153 x .437	.69	.44	.31	.29
75	192P682X9080	0.0068	.185 x .5	.77	.49	.35	.32
75	192P103X9080	0.01	.185 x .5	.69	.44	.31	.29
75	192P223X9080	0.022	.185 x .625	.77	.49	.35	.33
75	192P333X9080	0.033	.229 x .562	.86	.55	.39	.37
75	192P473X9080	0.047	.229 x .687	.83	.53	.38	.36
75	192P683X9080	0.068	.25 x .687	.91	.59	.42	.39
75	192P104X9080	0.1	.315 x .645	.95	.61	.44	.41
75	192P224X9080	0.22	.343 x .77	1.46	.94	.67	.62
75	192P334X9080	0.33	.343 x 1.332	2.01	1.29	.92	.86
200 VDC/140 VAC							
75	192P101X9200	0.0001	.153 x .437	.98	.63	.45	.42
75	192P103X9200	0.001	.153 x .437	.56	.36	.26	.24
75	192P222X9200	0.0022	.185 x .437	.60	.38	.27	.26
75	192P332X9200	0.0033	.185 x .437	.60	.38	.27	.26
75	192P472X9200	0.0047	.185 x .562	.61	.39	.28	.27
75	192P103X9200	0.01	.185 x .625	.61	.39	.28	.27
75	192P223X9200	0.022	.229 x .687	.73	.47	.33	.31
75	192P333X9200	0.033	.25 x .687	.77	.50	.35	.33
75	192P473X9200	0.047	.315 x .645	.81	.52	.37	.35
75	192P104X9200	0.1	.343 x .77	.92	.59	.42	.39
75	192P224X9200	0.22	.343 x 1.332	1.25	.81	.57	.54

632P SERIES METALLIZED POLYCARBONATE, WRAP-AND-FILL

Specifications:

- Operating Temperature is -55°C to +125°C
- Standard Capacitance Tolerance is 5%
- Dissipation Factor is 0.25% maximum
- Superior Performance
- High Efficiency
- High Reliability
- High Stability
- Rugged Construction
- Humidity Test: 95% relative humidity @ +40°C for 240 hours. No visible damage. Maximum Δ CAP ±5% Minimum IR = 50% of initial limit Maximum DF = 0.5%



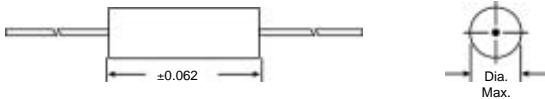
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions Dia. x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	25	50	100
50 WVDC							
75	632P103X5050	0.01	.17 x .44	4.13	3.44	3.09	2.75
75	632P153X5050	0.015	.17 x .44	3.59	2.99	2.69	2.39
75	632P223X5050	0.022	.17 x .44	4.13	3.44	3.09	2.75
75	632P333X5050	0.033	.17 x .44	4.22	3.52	3.17	2.82
75	632P473X5050	0.047	.17 x .44	4.22	3.52	3.17	2.82
75	632P104X5050	0.1	.19 x .56	4.62	3.85	3.47	3.08
75	632P154X5050	0.15	.23 x .44	4.98	4.15	3.74	3.32
75	632P224X5050	0.22	.23 x .56	5.38	4.48	4.03	3.59
75	632P334X5050	0.33	.25 x .56	5.97	4.98	4.48	3.98
75	632P474X5050	0.47	.31 x .56	6.73	5.61	5.05	4.49
75	632P684X5050	0.68	.31 x .56	7.69	6.41	5.77	5.13
75	632P105X5050	1	.31 x .75	9.04	7.54	6.78	6.03
75	632P155X5050	1.5	.35 x .75	10.53	8.77	7.90	7.02
75	632P205X5050	2	.4 x .75	12.14	10.12	9.11	8.10
75	632P225X5050	2.2	.4 x .75	13.20	11.00	9.90	8.80
75	632P305X5050	3	.4 x 1.0	16.63	13.86	12.47	11.09
75	632P475X5050	4.7	.45 x 1.25	21.95	18.29	16.46	14.63
75	632P106X5050	10	.6 x 1.31	40.06	36.06	28.85	24.04

730P SERIES METALLIZED POLYPROPYLENE CAPACITORS

Specifications:

- Operating Temperature is -55°C to +85°C
- Standard Capacitance is 10%
- Low Power Dissipation
- Excellent AC Performance
- Low Dielectric Absorption
- Humidity Test: 95% relative humidity @ +40°C 250 for hours. No visible damage. Maximum Δ CAP ±1.0% Minimum IR = 20% of initial limit Maximum DF = 0.12%



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions Dia. x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	25	50	100
100 WVDC							
75	730P474X9100	0.47	.376 x .75	2.54	2.12	1.91	1.69
75	730P105X9100	1	.421 x 1.0	2.77	2.31	2.08	1.85
250 WVDC							
75	730P104X9250	0.1	.279 x .75	2.41	2.01	1.81	1.61
75	730P224X9250	0.22	.306 x 1.0	2.54	2.12	1.91	1.69
75	730P474X9250	0.47	.422 x 1.0	2.67	2.23	2.00	1.78
75	730P105X9250	1	.513 x 1.25	3.14	2.61	2.35	2.09
75	730P205X9250	2	.70 x 1.25	3.56	2.97	2.67	2.38
400 WVDC							
75	730P104X9400	0.1	.348 x .75	2.38	1.98	1.78	1.58
75	730P474X9400	0.47	.545 x 1.0	2.84	2.37	2.13	1.89
75	730P205X9400	2	.752 x 1.75	3.66	3.05	2.75	2.44
630 WVDC							
75	730P104X9630	0.1	.408 x 1.0	2.51	2.09	1.88	1.67
75	730P105X9630	1	.794 x 1.75	4.35	3.63	3.26	2.90

735P SERIES HIGH CURRENT, WRAP-AND-FILL, METALLIZED POLYPROPYLENE FILM CAPACITORS

Specifications:

- Operating Temperature is -55°C to +105°C
- Low ESR
- High Ripple to 30 Amps
- Standard Capacitance is 10%
- Low Inductance
- Humidity Test: 95% relative humidity @ +40°C 250 for hours. No visible damage. Maximum Δ CAP ±1.0% Minimum IR = 20% of initial limit Maximum DF = 0.12%



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Dimensions Dia. x L (in.)	Price Each			
Mfr.	Mfr. Part No.			1	25	50	100
100 WVDC							
75	735P105X9100L	1	.531 x .75	4.40	3.67	3.30	2.93
75	735P205X9100L	2	.596 x .938	4.62	3.85	3.47	3.08
75	735P305X9100L	3	.717 x .938	4.89	4.08	3.67	3.26
75	735P505X9100L	5	.733 x 1.25	5.18	4.31	3.88	3.45
75	735P106X9100L	10	.898 x 1.5	8.04	6.70	6.03	5.36
75	735P206X9100L	20	1.0 x 2.25	12.03	10.03	9.02	8.02
200 WVDC							
75	735P105X9200L	1	.512 x 1.25	3.20	2.67	2.40	2.13
75	735P205X9200L	2	.698 x 1.25	3.97	3.31	2.98	2.65
75	735P305X9200L	3	.747 x 1.5	4.32	3.60	3.24	2.88
75	735P505X9200L	5	.862 x 1.75	5.06	4.21	3.79	3.37
75	735P106X9200L	10	1.03 x 2.25	7.82	6.52	5.87	5.21
75	735P206X9200L	20	1.44 x 2.25	15.24	12.70	11.43	10.16
400 WVDC							
75	735P105X9400L	1	.713 x 1.5	4.43	3.69	3.32	2.95
75	735P205X9400L	2	.895 x 1.75	5.04	4.20	3.78	3.36
75	735P305X9400L	3	1.086 x 1.75	7.40	6.16	5.55	4.93
75	735P505X9400L	5	1.192 x 2.25	7.89	6.58	5.92	5.26
75	735P106X9400L	10	1.668 x 2.25	10.31	8.59	7.73	6.87

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Vishay ORANGE DROP® Polyester and Polypropylene Capacitors



TYPE 225P POLYESTER CAPACITORS

Type 225P capacitors are wound from PETP polyester film and thin gauge foil under carefully controlled atmospheric conditions. Protected against moisture by a conformal coating of epoxy. Specifically designed for printed wiring board applications. Widely used in computers, instrumentation and telecommunications equipment.

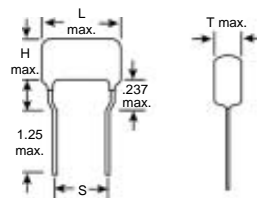
100 VDC / 70 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)				Price Each		
			L	H	T	S	1	25	100
75-225P100V0.001	225P10291WD3	0.001	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0015	225P15291WD3	0.0015	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0022	225P22291WD3	0.0022	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0033	225P33291WD3	0.0033	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0039	225P39291WD3	0.0039	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0047	225P47291WD3	0.0047	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0056	225P56291WD3	0.0056	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.0068	225P68291WD3	0.0068	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.01	225P10391WD3	0.01	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.015	225P15391WD3	0.015	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.022	225P22391WD3	0.022	.70	.35	.25	.375	.56	.43	.28
75-225P100V0.027	225P27391WD3	0.027	.70	.37	.27	.375	.56	.43	.28
75-225P100V0.033	225P33391WD3	0.033	.70	.37	.27	.375	.67	.51	.33
75-225P100V0.039	225P39391WD3	0.039	.70	.42	.30	.375	.62	.48	.31
75-225P100V0.047	225P47391WD3	0.047	.70	.42	.30	.375	.62	.48	.31
75-225P100V0.056	225P56391WD3	0.056	.70	.49	.34	.375	.67	.51	.33
75-225P100V0.068	225P68391WD3	0.068	.70	.49	.34	.375	.67	.51	.33
75-225P100V0.082	225P82391WD3	0.082	.70	.55	.40	.375	.67	.51	.33
75-225P100V0.1	225P10491WD3	0.1	.70	.55	.40	.375	.67	.51	.33
75-225P100V0.12	225P12491XD3	0.12	.80	.57	.37	.375	.88	.68	.44
75-225P100V0.15	225P15491XD3	0.15	.80	.62	.40	.375	.88	.68	.44
75-225P100V0.18	225P18491XD3	0.18	.80	.66	.43	.375	1.04	.80	.52
75-225P100V0.22	225P22491XD3	0.22	.80	.70	.46	.375	1.04	.80	.52
75-225P100V0.27	225P27491XD3	0.27	.80	.74	.49	.375	1.25	.96	.63
75-225P100V0.33	225P33491XD3	0.33	.80	.77	.52	.375	1.25	.96	.63
75-225P100V0.47	225P47491XD3	0.47	.80	.86	.60	.375	1.80	1.39	.90
75-225P100V0.56	225P56491YD3	0.56	1.25	.88	.55	.719	2.20	1.70	1.11
75-225P100V0.68	225P68491YD3	0.68	1.25	.90	.58	.719	2.20	1.70	1.11
75-225P100V0.82	225P82491YD3	0.82	1.25	.94	.65	.719	2.73	2.11	1.37
75-225P100V1.0	225P10591YD3	1.0	1.25	.98	.72	.719	2.73	2.11	1.37

Specifications:

- Operating temperature: -55°C to +85°C
- Tolerance ±10%
- Dissipation factor: maximum dissipation factor .75%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage



DIMENSIONS (IN.)

200 VDC / 140 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)				Price Each		
			L	H	T	S	1	25	100
75-225P200V0.01	225P10392XD3	0.01	.80	.58	.28	.375	.67	.51	.33
75-225P200V0.022	225P22392XD3	0.022	.80	.58	.25	.375	.75	.58	.38
75-225P200V0.047	225P47392XD3	0.047	.80	.61	.28	.375	.82	.63	.41
75-225P200V0.1	225P10492XD3	0.1	.80	.71	.37	.375	.82	.63	.41
75-225P200V0.15	225P15492XD3	0.15	.80	.74	.41	.375	.88	.68	.44
75-225P200V0.22	225P22492XD3	0.22	.80	.77	.48	.375	1.04	.80	.52
75-225P200V0.33	225P33492YD3	0.33	1.25	.71	.41	.719	1.25	.96	.63
75-225P200V0.47	225P47492YD3	0.47	1.25	.83	.50	.719	1.82	1.40	.91
75-225P200V0.68	225P68492YD3	0.68	1.25	1.14	.84	.719	2.56	1.97	1.29

400 VDC / 200 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)				Price Each		
			L	H	T	S	1	25	100
75-225P400V0.001	225P10294XD3	0.001	.80	.55	.25	.375	.67	.51	.33
75-225P400V0.0047	225P47294XD3	0.0047	.80	.55	.25	.375	.67	.51	.33
75-225P400V0.01	225P10394XD3	0.01	.80	.58	.28	.375	.67	.51	.33
75-225P400V0.015	225P15394XD3	0.015	.80	.58	.28	.375	.70	.54	.35
75-225P400V0.022	225P22394XD3	0.022	.80	.58	.31	.375	.70	.54	.35
75-225P400V0.033	225P33394XD3	0.033	.80	.65	.34	.375	.82	.63	.41
75-225P400V0.047	225P47394XD3	0.047	.80	.65	.41	.375	.82	.63	.41
75-225P400V0.1	225P10494XD3	0.1	.80	.84	.52	.375	1.04	.80	.52
75-225P400V0.15	225P15494YD3	0.15	1.25	.80	.47	.719	1.25	.96	.63
75-225P400V0.22	225P22494YD3	0.22	1.25	.89	.56	.719	1.82	1.40	.91
75-225P400V0.33	225P33494YD3	0.33	1.25	.99	.72	.719	2.56	1.97	1.29
75-225P400V0.47	225P47494YD3	0.47	1.25	1.14	.84	.719	4.95	3.82	2.49



TYPE 715P POLYPROPYLENE FILM CAPACITORS

Type 715P capacitors are ideal for applications where high AC current flow is found, as in certain solid-state TV vertical circuits, RF generators, and pulse-forming networks where dielectric heating is often a problem.

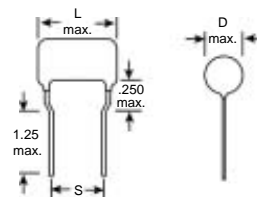
200 VDC / 155 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P200V0.01	715P10352JD3	0.01	.75	.37	.375	.53	.40	.31
75-715P200V0.015	715P15352JD3	0.015	.75	.37	.375	.53	.40	.31
75-715P200V0.022	715P22352JD3	0.022	.75	.37	.375	.53	.40	.31
75-715P200V0.033	715P33352JD3	0.033	.75	.42	.375	.60	.46	.35
75-715P200V0.047	715P47352KD3	0.047	.95	.40	.375	.67	.52	.39
75-715P200V0.068	715P68352KD3	0.068	.95	.45	.375	.67	.52	.39
75-715P200V0.1	715P10452LD3	0.1	1.30	.45	.719	.77	.59	.45
75-715P200V0.15	715P15452LD3	0.15	1.30	.55	.719	.89	.68	.52
75-715P200V0.22	715P22452LD3	0.22	1.30	.62	.719	1.07	.82	.63
75-715P200V0.33	715P33452MD3	0.33	1.70	.65	1.09	1.40	1.07	.82
75-715P200V0.47	715P47452MD3	0.47	1.70	.75	1.09	1.71	1.31	1.00

Specifications:

- Operating temperature: -55°C to 85°C; up to +105°C when working voltage is reduced to 50% of the 85°C rating
- Capacitance tolerance: ±5%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage
- Conformally coated with a flame retardant epoxy



DIMENSIONS (IN.)

800 VDC / 450 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P800V0.0068	715P68258LD3	0.0068	1.30	.50	.719	.77	.59	.45
75-715P800V0.01	715P10358LD3	0.01	1.30	.50	.719	.77	.59	.45
75-715P800V0.015	715P15358LD3	0.015	1.30	.55	.719	.77	.59	.45
75-715P800V0.022	715P22358LD3	0.022	1.30	.60	.719	.95	.72	.56
75-715P800V0.033	715P33358LD3	0.033	1.30	.70	.719	1.21	.93	.71
75-715P800V0.047	715P47358MD3	0.047	1.70	.70	1.09	1.56	1.20	.92
75-715P800V0.068	715P68358MD3	0.068	1.70	.80	1.09	1.73	1.31	1.00
75-715P800V0.1	715P10458MD3	0.1	1.70	.90	1.09	2.03	1.56	1.19

400 VDC / 200 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P400V0.0047	715P47254JD3	0.0047	.75	.40	.375	.53	.40	.31
75-715P400V0.0068	715P68254JD3	0.0068	.75	.40	.375	.53	.40	.31
75-715P400V0.01	715P10354JD3	0.01	.75	.40	.375	.53	.40	.31
75-715P400V0.022	715P22354KD3	0.022	.95	.45	.375	.67	.52	.39
75-715P400V0.033	715P33354KD3	0.033	.95	.50	.375	.67	.52	.39
75-715P400V0.047	715P47354LD3	0.047	1.30	.50	.719	.84	.64	.49
75-715P400V0.068	715P68354LD3	0.068	1.30	.55	.719	.91	.70	.53
75-715P400V0.1	715P10454LD3	0.1	1.30	.60	.719	.98	.75	.58
75-715P400V0.15	715P15454LD3	0.15	1.30	.65	.719	1.06	.81	.62
75-715P400V0.22	715P22454MD3	0.22	1.70	.70	1.09	1.42	1.09	.83
75-715P400V0.33	715P33454MD3	0.33	1.70	.80	1.09	1.48	1.13	.87
75-715P400V0.47	715P47454MD3	0.47	1.70	.90	1.09	2.03	1.56	1.19

600 VDC / 200 VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Dimensions (In.)			Price Each		
			L	D	S	1	25	100
75-715P600V0.001	715P10256JD3	0.001	.75	.40	.375	.47	.36	.28
75-715P600V0.0015	715P15256JD3	0.0015	.75	.40	.375	.47	.36	.28
75-715P600V0.0022	715P22256JD3	0.0022	.75	.40	.375	.47	.36	.28
75-715P600V0.0033	715P33256JD3	0.0033	.75	.40	.375	.47	.36	.28
75-715P600V0.0047	715P47256JD3	0.0047	.75	.45	.375	.47	.36	.28
75-715P600V0.0068	715P68256JD3	0.0068	.75	.45	.375	.53	.40	.31
75-715P600V0.01	715P10356KD3	0.01	.95	.45	.375	.59	.45	.34
75-715P600V0.015	715P15356KD3	0.015	.95	.50	.375	.60	.46	.35
75-715P600V0.022	715P22356KD3	0.022	.95	.55	.375	.62	.47	.36
75-715P600V0.033	715P33356LD3	0.033	1.30	.55	.719	.77	.59	.45
75-715P600V0.047	715P47356LD3	0.047	1.30	.60	.719	.77	.59	.45
75-715P600V0.068	715P68356LD3	0.068	1.30	.65	.719	.94	.72	.55
75-715P600V0.1	715P10456LD3	0						

POLYESTER

Specifications:

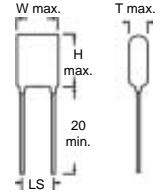
- Rating temperature: -40°C to +85°C
- Withstanding volts: 250% rated voltage (5 sec.)
- Insulation resistance: not >30GΩ @ 1kHz, 20°C
- Dielectric dissipation factor: max. 1.0% @ 1 kHz, 25°C
- Coating: conformally coated with flame retardant epoxy resin

Part Number Guide Chart:

140	PF	2A	102	K
Prefix	Series	Volt	Value	Tol.

Value and line spacing for 1H-50 and 2A-100 Volt:

Value (µF)	LS (mm) ±1	Value (µF)	LS (mm) ±1
.001-.012	3.5	.068-.12	7.5
.015-.03	4.0	.15-.27	9.0
.033-.056	5.0	.33-.68	10.0



1H-50 Volt ±10% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)			Price Each		
		W	H	T	1	100	500
140-PF1H102K	.001	6.0	10.5	3.0	.10	.052	.047
140-PF1H502K	.005	6.0	10.5	3.0	.10	.052	.047
140-PF1H103K	.01	6.5	12	3.5	.11	.057	.052
140-PF1H153K	.015	7.0	12	3.5	.11	.057	.052
140-PF1H203K	.02	7.0	12	4.0	.14	.067	.061
140-PF1H303K	.03	7.5	12	4.0	.15	.073	.066
140-PF1H473K	.047	8.5	13	5.0	.17	.085	.077
140-PF1H503K	.05	8.5	13	5.0	.17	.085	.077
140-PF1H104K	.1	11	14	6.0	.24	.12	.11
140-PF1H204K	.20	12.5	17	7.0	.36	.18	.15
140-PF1H224K	.22	13	17	7.5	.36	.18	.15
140-PF1H334K	.33	14.5	21	8.5	.38	.24	.22
140-PF1H474K	.47	16	22	9.0	.43	.27	.25

2A-100 Volt ±2% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)			Price Each		
		W	H	T	1	100	500
140-PF2A102F	.001	6.0	10.5	3.0	.43	.30	.28
140-PF2A122F	.0012	6.0	10.5	3.0	.43	.30	.28
140-PF2A152F	.0015	6.0	10.5	3.0	.43	.30	.28
140-PF2A182F	.0018	6.0	10.5	3.0	.43	.30	.28
140-PF2A202F	.002	6.0	10.5	3.0	.43	.30	.28
140-PF2A222F	.0022	6.0	10.5	3.0	.43	.30	.28
140-PF2A272F	.0027	6.0	10.5	3.0	.43	.30	.28
140-PF2A302F	.003	6.0	10.5	3.0	.43	.30	.28
140-PF2A332F	.0033	6.0	10.5	3.0	.43	.30	.28
140-PF2A392F	.0039	6.0	10.5	3.0	.43	.30	.28
140-PF2A472F	.0047	6.0	10.5	3.0	.43	.30	.28
140-PF2A502F	.005	6.0	10.5	3.0	.43	.30	.28
140-PF2A562F	.0056	6.0	10.5	3.0	.43	.30	.28
140-PF2A682F	.0068	6.0	10.5	3.5	.43	.30	.28
140-PF2A822F	.0082	6.5	10.5	3.5	.43	.30	.28
140-PF2A103F	.01	6.5	12	3.5	.43	.30	.28
140-PF2A123F	.012	6.5	12	3.5	.43	.30	.28
140-PF2A153F	.015	7.0	12	3.5	.43	.30	.28
140-PF2A183F	.018	7.0	12	4.0	.43	.30	.28
140-PF2A203F	.02	7.0	12	4.0	.48	.31	.29
140-PF2A223F	.022	7.5	12	4.0	.48	.31	.29
140-PF2A273F	.027	7.5	12	4.0	.48	.31	.29
140-PF2A303F	.03	7.5	12	4.0	.56	.41	.37
140-PF2A333F	.033	8.0	12	5.0	.56	.41	.37
140-PF2A393F	.039	8.0	13	5.0	.59	.42	.37
140-PF2A473F	.047	8.5	13	5.0	.63	.44	.38
140-PF2A503F	.05	8.5	13	5.0	.65	.46	.43
140-PF2A563F	.056	9.0	13	5.0	.65	.46	.43
140-PF2A683F	.068	9.5	13	5.0	.68	.52	.49
140-PF2A823F	.082	10	13	6.0	.72	.56	.51
140-PF2A104F	.1	11	14	6.0	.72	.64	.58

2A-100 Volt ±3% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)			Price Each		
		W	H	T	1	100	500
140-PF2A102G	.001	6.0	10.5	3.0	.39	.27	.25
140-PF2A122G	.0012	6.0	10.5	3.0	.39	.27	.25
140-PF2A152G	.0015	6.0	10.5	3.0	.39	.27	.25
140-PF2A182G	.0018	6.0	10.5	3.0	.39	.27	.25
140-PF2A202G	.002	6.0	10.5	3.0	.39	.27	.25
140-PF2A222G	.0022	6.0	10.5	3.0	.39	.27	.25
140-PF2A272G	.0027	6.0	10.5	3.0	.39	.27	.25
140-PF2A302G	.003	6.0	10.5	3.0	.39	.27	.25
140-PF2A332G	.0033	6.0	10.5	3.0	.39	.27	.25
140-PF2A392G	.0039	6.0	10.5	3.0	.39	.27	.25
140-PF2A472G	.0047	6.0	10.5	3.0	.39	.27	.25
140-PF2A502G	.0050	6.0	10.5	3.0	.39	.27	.25
140-PF2A562G	.0056	6.0	10.5	3.0	.39	.27	.25
140-PF2A682G	.0068	6.0	10.5	3.5	.39	.27	.25
140-PF2A822G	.0082	6.0	10.5	3.5	.39	.27	.25
140-PF2A103G	.01	6.5	12.0	3.5	.39	.27	.25
140-PF2A123G	.012	6.5	12.0	3.5	.39	.27	.25
140-PF2A183G	.018	7.0	12.0	4.0	.39	.27	.25
140-PF2A203G	.02	7.5	12.0	4.0	.43	.28	.26
140-PF2A223G	.022	7.5	12.0	4.0	.43	.28	.26
140-PF2A273G	.027	7.5	12.0	4.0	.43	.28	.26
140-PF2A303G	.03	7.5	12.0	4.0	.55	.40	.36
140-PF2A333G	.033	8.0	12.0	5.0	.55	.40	.36
140-PF2A393G	.039	8.0	13.0	5.0	.56	.41	.37
140-PF2A473G	.047	8.5	13.0	5.0	.56	.41	.37
140-PF2A503G	.05	8.5	13.0	5.0	.56	.41	.37
140-PF2A563G	.056	9.0	13.0	5.0	.56	.41	.37
140-PF2A683G	.068	9.5	13.0	5.0	.58	.49	.45
140-PF2A823G	.082	10.0	13.0	6.0	.63	.57	.52
140-PF2A104G	.1	11	14.0	6.0	.63	.57	.52

2A-100 Volt ±5% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)			Price Each		
		W	H	T	1	100	500
140-PF2A102J	.001	6.0	10.5	3.0	.12	.07	.061
140-PF2A122J	.0012	6.0	10.5	3.0	.12	.07	.061
140-PF2A152J	.0015	6.0	10.5	3.0	.12	.07	.061
140-PF2A182J	.0018	6.0	10.5	3.0	.12	.07	.061
140-PF2A202J	.002	6.0	10.5	3.0	.12	.07	.061
140-PF2A222J	.0022	6.0	10.5	3.0	.12	.07	.061
140-PF2A272J	.0027	6.0	10.5	3.0	.12	.07	.061
140-PF2A302J	.003	6.0	10.5	3.0	.12	.07	.061
140-PF2A332J	.0033	6.0	10.5	3.0	.12	.07	.061
140-PF2A392J	.0039	6.0	10.5	3.0	.12	.07	.061
140-PF2A472J	.0047	6.0	10.5	3.0	.12	.07	.061
140-PF2A502J	.005	6.0	10.5	3.0	.12	.07	.061
140-PF2A562J	.0056	6.0	10.5	3.0	.12	.07	.061
140-PF2A682J	.0068	6.0	10.5	3.5	.12	.07	.061
140-PF2A822J	.0082	6.5	10.5	3.5	.12	.07	.061
140-PF2A103J	.01	6.5	12	3.5	.14	.08	.063
140-PF2A123J	.012	6.5	12	3.5	.14	.08	.063
140-PF2A153J	.015	7.0	12	3.5	.14	.08	.063
140-PF2A183J	.018	7.0	12	4.0	.14	.08	.063
140-PF2A203J	.02	7.0	12	4.0	.19	.10	.088
140-PF2A223J	.022	7.5	12	4.0	.19	.10	.088
140-PF2A273J	.027	7.5	12	4.0	.19	.10	.088
140-PF2A303J	.03	7.5	12	4.0	.20	.12	.092
140-PF2A333J	.033	8.0	12	5.0	.20	.12	.092
140-PF2A393J	.039	8.0	13	5.0	.20	.12	.092
140-PF2A473J	.047	8.5	13	5.0	.21	.13	.099
140-PF2A503J	.05	8.5	13	5.0	.21	.13	.099
140-PF2A563J	.056	9.0	13	5.0	.21	.13	.099
140-PF2A683J	.068	9.5	13	5.0	.22	.14	.11
140-PF2A823J	.082	10	13	6.0	.22	.14	.11
140-PF2A104J	.1	11	14	6.0	.22	.16	.14
140-PF2A124J	.12	11	14	6.5	.22	.16	.14
140-PF2A154J	.15	12	17	7.0	.27	.18	.17
140-PF2A184J	.18	12.5	17	7.0	.29	.20	.18
140-PF2A224J	.22	13	17	7.5	.34	.25	.22
140-PF2A274J	.27	14.5	18	8.0	.37	.26	.22
140-PF2A334J	.33	14.5	21	8.5	.42	.28	.25
140-PF2A394J	.39	15	21	9.0	.47	.32	.29
140-PF2A474J	.47	16	22	9.0	.59	.42	.37

2A-100 Volt ±10% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)			Price Each		
		W	H	T	1	100	500
140-PF2A102K	.001	6.0	10.5	3.0	.10	.06	.049
140-PF2A122K	.0012	6.0	10.5	3.0	.10	.06	.049
140-PF2A152K	.0015	6.0	10.5	3.0	.10	.06	.049
140-PF2A182K	.0018	6.0	10.5	3.0	.10	.06	.049
140-PF2A202K	.002	6.0	10.5	3.0	.10	.06	.049
140-PF2A222K	.0022	6.0	10.5	3.0	.10	.06	.049
140-PF2A272K	.0027	6.0	10.5	3.0	.10	.06	.049
140-PF2A302K	.003	6.0	10.5	3.0	.10	.06	.049
140-PF2A332K	.0033	6.0	10.5	3.0	.10	.06	.049
140-PF2A392K	.0039	6.0	10.5	3.0	.10	.06	.049
140-PF2A472K	.0047	6.0	10.5	3.0	.11	.06	.051
140-PF2A502K	.005	6.0	10.5	3.0	.11	.06	.051
140-PF2A562K	.0056	6.0	10.5	3.0	.10	.06	.049
140-PF2A682K	.0068	6.0	10.5	3.5	.10	.06	.049
140-PF2A822K	.0082	6.5	10.5	3.5	.10	.06	.049
140-PF2A103K	.01	6.5	12.0	3.5	.12	.07	.061
140-PF2A123K	.012	6.5	12.0	3.5	.12	.07	.061
140-PF2A153K	.015	7.0	12.0	3.5	.14	.07	.061
140-PF2A183K	.018	7.0	12.0	4.0	.13	.07	.061
140-PF2A203K	.02	7.0	12.0	4.0	.14	.08	.066
140-PF2A223K	.022	7.5	12.0	4.0	.14	.08	.066
140-PF2A273K	.027	7.5	12.0	4.0	.14	.08	.066
140-PF2A303K	.03	7.5	12.0	4.0	.16	.09	.07
140-PF2A333K	.033	8.0	12.0	5.0	.16	.09	.07
140-PF2A393K	.039	8.0	13.0	5.0	.16	.09	.07
140-PF2A473K	.047	8.5	13.0	5			

Xicon Non-Inductive & Metallized Polyester Film Capacitors



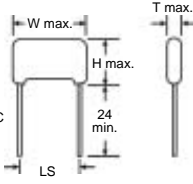
METALLIZED

Features:

- Non-inductive construction
- Self-healing characteristics
- High stability
- Efficient capacitance to volume packaging
- Protective conformal epoxy coating

Specifications:

- Operating temperature: -40°C to +85°C with no voltage derating
- Dissipation factor: 1% max. @ 1kHz, 20°C
- Dielectric strength: 150% of working voltage for 1 minute



DIMENSIONS (mm)

250V ± 10% Tolerance

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	10	100
146-250V.01K	.01	12.5	9.0	5.0	10	.26	.20	.18
146-250V.012K	.012	12.5	9.0	5.0	10	.26	.20	.18
146-250V.015K	.015	12.5	9.0	5.0	10	.26	.20	.18
146-250V.022K	.022	12.5	9.0	5.0	10	.26	.20	.18
146-250V.027K	.027	12.5	9.0	5.0	10	.26	.20	.18
146-250V.033K	.033	12.5	9.0	5.0	10	.26	.20	.18
146-250V.039K	.039	12.5	9.0	5.0	10	.26	.20	.18
146-250V.047K	.047	12.5	9.0	5.0	10	.26	.20	.18
146-250V.056K	.056	12.5	9.0	5.0	10	.26	.20	.18
146-250V.068K	.068	12.6	9.0	5.0	10	.26	.20	.18
146-250V.082K	.082	12.5	9.0	5.0	10	.26	.20	.18
146-250V.1K	.1	12.5	9.0	5.0	10	.27	.21	.18
146-250V.12K	.12	12.5	9.5	5.5	10	.29	.23	.20
146-250V.15K	.15	12.5	10	6.0	10	.31	.25	.21
146-250V.18K	.18	18	10	5.5	15	.34	.27	.23
146-250V.22K	.22	18	11	6.0	15	.36	.29	.25
146-250V.27K	.27	18	12	6.5	15	.39	.31	.27
146-250V.33K	.33	18	13	7.0	15	.41	.33	.28
146-250V.39K	.39	18	14	7.5	15	.44	.35	.30
146-250V.47K	.47	22	11	5.0	20	.47	.37	.32
146-250V.56K	.56	23	13	7.0	20	.51	.41	.35
146-250V.68K	.68	23	14	7.5	20	.53	.42	.37
146-250V.82K	.82	23	15	8.0	20	.56	.45	.40
146-250V.1.0K	1.0	23	16	9.0	20	.64	.57	.51
146-250V.1.2K	1.2	23	17	10	20	.76	.72	.65
146-250V.1.5K	1.5	31	17	9.0	27	.86	.82	.76
146-250V.1.8K	1.8	31	18	9.5	27	.98	.94	.87
146-250V.2.2K	2.2	31	19	10	27	1.09	1.04	.91
146-250V.2.7K	2.7	31	20.5	11.5	27	1.35	1.30	1.22
146-250V.3.3K	3.3	31	22	13.5	27	1.62	1.59	1.52
146-250V.3.9K	3.9	31	23	15	27	1.91	1.88	1.80
146-250V.4.7K	4.7	31	24	16	27	2.06	2.01	1.88

400V ± 10% Tolerance

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	10	100
146-400V.01K	.01	12.5	9.0	5.0	10	.35	.30	.24
146-400V.015K	.015	12.5	9.0	5.0	10	.36	.30	.25
146-400V.022K	.022	12.5	9.0	5.0	10	.37	.31	.25
146-400V.033K	.033	12.5	9.5	5.5	10	.38	.32	.26
146-400V.047K	.047	12.5	11	6.5	10	.39	.33	.27
146-400V.068K	.068	18	10	5.5	15	.44	.37	.30
146-400V.1K	.1	18	11	6.0	15	.49	.41	.34
146-400V.15K	.15	18	13	7.0	15	.53	.44	.35
146-400V.22K	.22	18	15	8.5	15	.61	.51	.40
146-400V.33K	.33	23	16	9.0	20	.73	.61	.48
146-400V.47K	.47	23	18	11	20	.97	.81	.65
146-400V.2.2K	2.2	31	27	18	27	2.80	2.33	1.83

630V ± 10% Tolerance

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	10	100
146-630V.01K	.01	12.5	9.5	5.5	10	.37	.31	.25
146-630V.015K	.015	12.5	10	5.5	10	.39	.33	.27
146-630V.022K	.022	12.5	11	6.0	10	.42	.35	.29
146-630V.033K	.033	18	11	6.0	15	.44	.37	.30
146-630V.047K	.047	18	12	6.5	15	.47	.40	.32
146-630V.068K	.068	18	13	7.0	15	.57	.48	.39
146-630V.1K	.1	23	13	7.0	20	.67	.56	.46
146-630V.15K	.15	23	15	8.5	20	.78	.66	.54
146-630V.22K	.22	23	16.5	8.5	20	1.00	.84	.69
146-630V.33K	.33	31	18.5	9.5	27	1.18	1.00	.82
146-630V.47K	.47	31	21	12	27	1.56	1.32	1.08
146-630V.1.0K	1.0	31	27	18	27	2.63	2.25	1.89

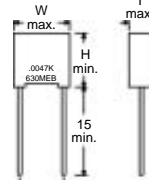
METALLIZED BOX

These Xicon box case capacitors feature non-inductive windings, tin plated copper leads, and epoxy seals for reliable electrical and mechanical performance. They are well suited to telecommunications, industrial circuits, and data processing equipment where filtering, coupling, decoupling, or timing is required.

Specifications:

- Operating temperature: -40°C to +85°C
- Dissipation factor: 1% max. @ 1kHz, 25°C
- Insulation resistance: (IR): Cs:33µF IR>30GΩ C>33µF IR>10GΩ

- Yellow, flame retardant plastic box



DIMENSIONS (mm)

100V ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	100	500
1430-1683	.068	10.5	9	4	7.5	.25	.21	.19
1430-1104	.1	13	11	5	10	.25	.21	.19
1430-1154	.15	13	11	5	10	.26	.25	.23
1430-1224	.22	13	12	6	10	.28	.23	.21
1430-1334	.33	13	12	6	10	.33	.26	.24
1430-1474	.47	18	12	6	15	.47	.34	.30
1430-1684	.68	18	12	6	15	.56	.41	.37
1430-1105	1.0	18	13.5	7.5	15	.69	.53	.48
1430-1225	2.2	26.5	17.5	8.5	22.5	1.23	.92	.86
1430-1475	4.7	32	20	11	27.5	1.83	1.52	1.38

250V ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	100	500
1430-2473	.047	13	9	4	10	.23	.20	.18
1430-2104	.1	13	11	5	10	.26	.21	.19
1430-2224	.22	18	12	6	15	.36	.27	.25
1430-2474	.47	18	14	7.5	12	.52	.39	.35
1430-2105	1.0	26.5	17	8.5	22.5	.82	.66	.58

400V ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	100	500
1430-4223	.022	13	11	5	10	.22	.19	.18
1430-4473	.047	13	12	6	10	.29	.23	.22
1430-4683	.068	18	11	5	15	.29	.25	.23
1430-4104	.1	18	12	6	15	.40	.28	.26
1430-4224	.22	26.5	15	6	22.5	.59	.48	.44

630V ± 10% Tolerance

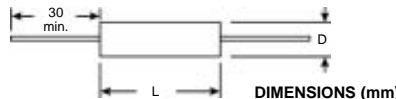
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	100	500
1430-6103	.01	13	11	5	10	.25	.22	.20
1430-6223	.022	13	12	6	10	.25	.23	.22
1430-6333	.033	13	13	7	10	.28	.25	.24
1430-6473	.047	18	12	6	15	.46	.31	.28
1430-6104	.1	18	14.5	8.5	15	.45	.41	.37

METALLIZED-ROUND

Specifications:

- Operating temp: -40°C to +85°C
- Test voltage: 750V
- Non-inductive and self healing



DIMENSIONS (mm)

250V ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)		Price Each		
		D	L	1	100	500
23ME310	.01	5.5	14	.49	.39	.34
23ME322	.022	5.5	14	.49	.39	.34
23ME347	.047	5.5	14	.49	.39	.34
23ME368	.068	5.5	14	.49	.39	.34
23MA110	.1	6.0	14	.50	.42	.38
23ME415	.15	6.5	14	.50	.42	.38
23ME422	.22	7.0	19	.54	.46	.41
23ME433	.33	8.0	19	.54	.46	.41
23ME447	.47	9.0	19	.57	.48	.43
23ME468	.68	9.0	25	.64	.54	.48
23ME510	1.0	10.5	25	.73	.62	.55
23ME520	2.0	14	32	1.18	1.00	.89
23ME522	2.2	14	32	1.18	1.00	.89

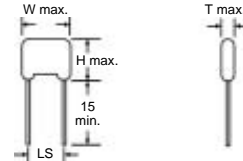
NON-INDUCTIVE-POLYESTER FILM

Features:

- High stability and reliability
- Excellent environmental performance
- Low ESR
- Non-inductive construction minimizes dissipation factor

Specifications:

- Operating temperature: -40°C to +85°C
- Capacitance range: .001 to .47µF
- Rated voltage: 100VDC, 200VDC
- Dissipation factor: 0.8% max @ 1kHz, 25°C
- Insulation resistance: >20,000MΩ (Cs:1µF), >2,000MΩ-µF (C>.1µF)



DIMENSIONS (mm)

100V ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	100	500
1432-1103	.01	10.5	9.5	6.0	7	.25	.17	.15
1432-1223	.022	10.5	9.5	6.0	7	.26	.17	.16
1432-1333	.033	13.5	10	6.0	10	.27	.18	.16
1432-1473	.047	13.5	11.5	7.5	10	.28	.19	.17
1432-1563	.056	13.5	11.5	7.5	10	.31	.21	.19
1432-1683	.068	13.5	12.5	7.0	10	.34	.23	.21
1432-1104	.1	14	13	8.0	10	.37	.25	.23
1432-1224	.22	20	15	8.5	15	.44	.29	.27
1432-1334	.33	20	17.5	10.5	15	.50	.33	.30
1432-1474	.47	20	21.5	13	15	.56	.38	.34

200V ± 10% Tolerance

For quantities 1000 and up, call for quote.

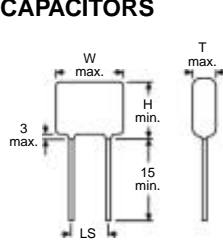
Xicon Polypropylene and Polystyrene Film Capacitors



Passive Components

85°C POLYPROPYLENE CAPACITORS

Constructed with polypropylene film dielectric in a non-inductive form. They feature low dissipation factor, high insulation resistance, fire retardant coating, and welded leads.



DIMENSIONS (mm)

Specifications:

- Operating temperature: -40°C to +85°C
- Test voltage: WVDC x 2.0
- Insulation resistance: 30GΩ

±10% Tolerance

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	WVDC	Value (µF)	Dimensions (mm)				Price Each			
			W	H	T	LS	1	100	500	1000
1431-6102K	630	.001	14	8.5	6	10	.33	.21	.19	.17
1431-6152K	630	.0015	14	9	6.5	10	.33	.21	.19	.17
1431-6222K	630	.0022	14	10	6.5	10	.33	.21	.19	.18
1431-4332K	400	.0033	14	9.5	6.0	10	.29	.20	.17	.16
1431-4472K	400	.0047	14	9.5	6.0	10	.30	.20	.18	.17
1431-4682K	400	.0068	14	10	6.5	10	.33	.22	.20	.18
1431-4103K	400	.01	14	11.5	7.5	10	.35	.23	.21	.19
1431-2153K	250	.015	14	10	6.5	10	.34	.23	.20	.19
1431-2223K	250	.022	14	12	7	10	.36	.24	.22	.20
1431-2333K	250	.033	19	11.5	6.5	15	.41	.27	.25	.23
1431-2473K	250	.047	19	12.5	7	15	.45	.30	.28	.25
1431-2563K	250	.056	19	13	8.0	15	.47	.31	.28	.26
1431-2683K	250	.068	19	14	9.0	15	.49	.33	.30	.27
1431-2104K	250	.1	19	16	9.5	15	.53	.36	.32	.29
1431-2154K	250	.15	26	17.5	10	21	.54	.35	.32	.28
1431-2224K	250	.22	26	21	12.5	22	.62	.41	.38	.34
1431-2334K	250	.33	32	22.5	13	27.5	.82	.61	.55	.50

±5% Tolerance

For quantities of 2000 and up, call for quote.

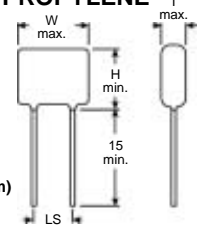
MOUSER STOCK NO.	WVDC	Value (µF)	Dimensions (mm)				Price Each			
			W	H	T	LS	1	100	500	1000
1431-4103J	400	.01	14	11.5	7.5	10	.39	.26	.23	.21
1431-2104J	250	.1	19	16	9.5	15	.59	.39	.36	.32
1431-2474J	250	.47	32	26	15.5	27.5	.85	.77	.70	.63



Passive Components

85°C METALLIZED POLYPROPYLENE CAPACITORS

These Xicon MPP Series capacitors feature non-inductive windings, copper clad steel leads, and environmentally resistive epoxy coatings for excellent electrical and mechanical performance. The non-inductive, polypropylene capacitor is especially suitable to telecommunication, industrial circuits, and data processing equipment where filtering, coupling, stable tuning, timing, or temperature compensation is required.



DIMENSIONS (mm)

Specifications:

- Operating temperature: -55°C to +85°C
- Capacitance tolerance: ±10%
- Dissipation factor: 0.1% max. @ 1kHz, 25°C
- Insulation resistance: C ≤ .33µF, IR > 30GΩ
C > .33µF, IR > 10GΩ

100 WVDC

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each			
		W	H	T	LS	1	50	100	500
1429-1104	.1	13	11	7	10	.44	.29	.27	.24
1429-1474	.47	18.5	15.5	10	15	.70	.47	.43	.39

250 WVDC

For quantities of 2000 and up, call for quote.

1429-2223	.022	13	10	6	10	.39	.26	.24	.22
1429-2333	.033	13	10	6	10	.43	.29	.26	.24
1429-2473	.047	13	10.5	6	10	.46	.31	.28	.25
1429-2104	.1	13	12	7	10	.56	.37	.34	.31
1429-2224	.22	18.5	13	7	15	.59	.39	.36	.33
1429-2334	.33	18.5	14.5	8	15	.86	.62	.56	.51
1429-2474	.47	18.5	15.5	10	15	.92	.71	.65	.58
1429-2105	1	23	18.5	11	20	1.17	.90	.82	.74
1429-2225	2.2	32	21.5	13.5	27.5	1.67	1.39	1.26	1.15
1429-2475	4.7	37	27	18	27.5	3.49	2.91	2.65	2.41

400 WVDC

For quantities of 2000 and up, call for quote.

1429-4103	.01	13	10	6.5	10	.37	.25	.22	.20
1429-4473	.047	13	11	7.5	10	.48	.32	.29	.26
1429-4104	.1	18.5	13.5	8.0	15	.63	.42	.38	.34

630 WVDC

For quantities of 2000 and up, call for quote.

1429-6103	.01	13	11	6.5	10	.46	.30	.27	.25
1429-6223	.022	13	12.5	8	10	.53	.35	.32	.29
1429-6473	.047	18.5	14	8.5	15	.63	.42	.38	.34
1429-6104	.1	23	17	10	20	.73	.48	.44	.40
1429-6224	.22	32	19	12	27.5	.97	.75	.68	.62
1429-6474	.47	32	24.5	15	27.5	1.43	1.19	1.08	.99



Passive Components

85°C AXIAL 5% POLYSTYRENE CAPACITORS

Comprised of polystyrene dielectric material fused to foil, these capacitors are highly resistant to humidity and provide excellent capacitance stability.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PS110	100	5.5 x 12	.24	.12	.11	.10
23PS112	120	5.5 x 12	.24	.12	.11	.10
23PS115	150	5.5 x 12	.24	.12	.11	.10
23PS118	180	5.5 x 12	.24	.12	.11	.10
23PS122	220	5.5 x 12	.24	.12	.11	.10
23PS127	270	5.5 x 12	.24	.12	.11	.10
23PS133	330	5.5 x 12	.22	.11	.10	.09
23PS139	390	5.5 x 12	.22	.11	.10	.09
23PS147	470	5.5 x 12	.22	.11	.10	.09
23PS156	560	5.5 x 12	.22	.11	.10	.09
23PS168	680	5.5 x 12	.22	.11	.10	.09
23PS182	820	6.0 x 12	.22	.11	.10	.09
23PS210	1000	6.0 x 12	.22	.11	.10	.09

Features:

- Excellent electrical characteristics
- High reliability and stability
- Low temperature coefficients
- Small dissipation factor

DIMENSIONS (mm)



Specifications:

- ±5% tolerance
- Dissipation factor (@ 100kHz):
DF < 0.1% C ≥ 330pF
Q > 1000 C < 330pF

- Operating temperature: -40°C to +85°C
- Temperature coefficient: N150 ±ppm/°C
- Insulation resistance (@25°C): 100GΩ min.
- 50 WVDC

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PS212	1200	6.0 x 12	.24	.12	.11	.10
23PS215	1500	6.0 x 12	.24	.12	.11	.10
23PS218	1800	6.0 x 12	.24	.12	.11	.10
23PS220	2000	6.5 x 12	.24	.12	.11	.10
23PS222	2200	6.5 x 12	.24	.12	.11	.10
23PS227	2700	7.0 x 12	.25	.12	.11	.10
23PS233	3300	7.0 x 12	.26	.13	.12	.11
23PS239	3900	7.5 x 12	.26	.13	.12	.11
23PS247	4700	8.0 x 12	.28	.14	.13	.12
23PS250	5000	8.0 x 12	.30	.15	.14	.12
23PS268	6800	9.0 x 12	.32	.16	.14	.13
23PS282	8200	9.5 x 12	.34	.17	.16	.14
23PS310	10,000	10 x 12	.38	.19	.17	.16



Passive Components

85°C RADIAL 5% POLYSTYRENE CAPACITORS

Comprised of polystyrene dielectric material fused to foil, these capacitors are highly resistant to humidity and provide excellent capacitance stability.

Features:

- Excellent electrical characteristics
- High reliability and stability
- Low temperature coefficients
- Small dissipation factor

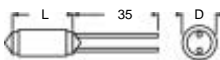
Specifications:

- ±5% tolerance
- Dissipation factor (@ 100kHz):
DF < 0.1% C ≥ 330pF
Q > 1000 C < 330pF
- Operating temp.: -40°C to +85°C
- Temp. coefficient: N150 ±ppm/°C
- Insulation resist. (@25°C): 100GΩ min.
- 50 WVDC

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PW156	560	5.5 x 12	.22	.11	.10	.09
23PW210	1000	6.0 x 12	.22	.11	.10	.09
23PW220	2000	6.0 x 12	.24	.12	.11	.10
23PW222	2200	6.5 x 12	.24	.12	.11	.10
23PW233	3300	7.0 x 12	.26	.13	.12	.11
23PW247	4700	8.0 x 12	.28	.14	.13	.12
23PW250	5000	8.0 x 12	.30	.15	.14	.12
23PW268	6800	9.0 x 12	.32	.16	.14	.13
23PW310	10,000	10 x 12	.38	.19	.17	.16

DIMENSIONS (mm)



Passive Components

5% POLYSTYRENE CAPACITOR KITS

- Design Kits for Engineers
- Reorder individual parts as needed using part # key in box lid.
- Positive closing box lid.

Features:

- 50 WVDC
- Axial leads
- 10 ea. of 12 values ea. kit ±5%

MOUSER STOCK NO.	Pieces Per Kit	Description	Price Each
370-PS1	120	10 ea.: 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820 pF	24.95
370-PS2	120	10 ea.: 1000, 1200, 1500, 1800, 2000, 2200, 2700, 3300, 3900, 5000, 6800, 10,000pF	24.95



Ceramic Resonators



CSB SERIES CERAMIC RESONATORS

The CSB Series of ceramic resonators is designed to provide the design engineer with a rugged, relatively low frequency device in the frequency range of 375kHz to 1250kHz. Initial frequency tolerance is +/-0.5% which compares very favorably to the nominal +/-2%-3% requirements of one chip microprocessors. The CSB Series utilizes the area vibration mode of the piezoelectric ceramic element.

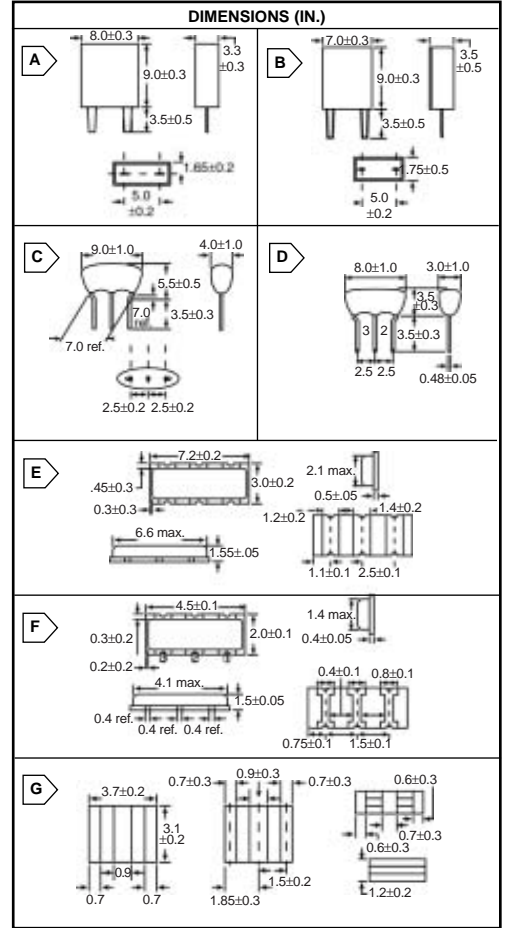
MOUSER STOCK NO.	Fig.	Murata Part No.	Freq. (kHz)	Tolerance	Price Each			
					1	10	100	500
Washable								
81-CSB400J	A	CSB400J	400	0.50%	1.39	1.32	1.24	1.08
81-CSB455J	A	CSB455J	455	0.50%	1.15	1.09	1.02	.90
81-CSB480J	A	CSB480J	480	0.50%	1.15	1.09	1.02	.90
81-CSB500J	A	CSB500J	500	0.50%	1.15	1.09	1.02	.90
81-CSB640JR	A	CSB640JR	640	0.50%	1.39	1.32	1.24	1.08
81-CSB800J	A	CSB800J	800	0.50%	1.05	.99	.93	.81
81-CSB1000J	A	CSB1000J	1000	0.50%	.89	.84	.80	.70
Non-Washable								
81-CSB400P	B	CSB400P	400	0.50%	.72	.68	.64	.56
81-CSB455E	B	CSB455E	455	0.50%	.67	.64	.60	.52
81-CSB480E	B	CSB480E	480	0.50%	.67	.64	.60	.52
81-CSB500E	B	CSB500E	500	0.50%	.71	.67	.63	.55

CST SERIES CERAMIC RESONATORS

The CST Series of ceramic resonators feature a built-in load capacitance. This feature eliminates any need for external loading capacitors and reduces component count, increases reliability and reduces size. These units are offered in the frequency range from 1.80MHz to 60.00MHz with an initial frequency tolerance of +/- 0.5%.

Surface Mount Device

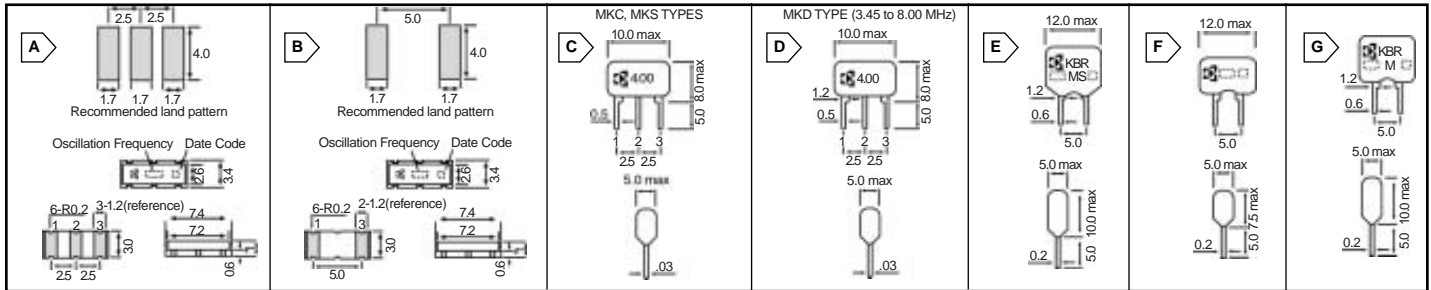
MOUSER STOCK NO.	Fig.	Murata Part No.	Freq. (MHz)	Tolerance	Price Each			
					1	10	100	500
Manufacturers Type CSTLS Series								
81-CSTLS2M00G53-B0	C	CSTLS2M00G53-B0	2.00	0.50%	.63	.60	.56	.49
81-CSTLS16M00G53-B0	C	CSTLS16M00G53-B0	16.00	0.50%	.97	.92	.86	.76
Manufacturers Type CSTS Series								
81-CSTS0358MG03	D	CSTS0358MG03	3.58	0.50%	.45	.42	.40	.35
81-CSTS0400MG03	D	CSTS0400MG03	4.00	0.50%	.45	.42	.40	.35
81-CSTS0600MG03	D	CSTS0600MG03	6.00	0.50%	.45	.42	.40	.35
81-CSTS0800MG03	D	CSTS0800MG03	8.00	0.50%	.53	.50	.47	.41
81-CSTS1000MG03	D	CSTS1000MG03	10.00	0.50%	.60	.57	.53	.47
Manufacturers Type CSTCC Series								
81-CSTCC2.00MG-TC	E	CSTCC2.00MG-TC	2.00	0.50%	.97	.91	.86	.75
81-CSTCC3.58MG-TC	E	CSTCC3.58MG-TC	3.58	0.50%	.75	.71	.67	.59
81-CSTCC6.00MG-TC	E	CSTCC6.00MG-TC	6.00	0.50%	.74	.70	.66	.58
81-CSTCC8.00MG-TC	E	CSTCC8.00MG-TC	8.00	0.50%	.81	.77	.72	.63
81-CSTCC10.00MG-TC	E	CSTCC10.00MG-TC	10.00	0.50%	1.15	1.09	1.03	.90
Manufacturers Type CSTCR Series								
81-CSTCR4M00G53	F	CSTCR4M00G53-RO	4.00	0.50%	.86	.81	.77	.67
81-CSTCR4M19G53	F	CSTCR4M19G53-RO	4.19	0.50%	.74	.70	.66	.58
81-CSTCR4M91G53	F	CSTCR4M91G53-RO	4.91	0.50%	.76	.72	.68	.59
81-CSTCR5M00G53	F	CSTCR5M00G53-RO	5.00	0.50%	.86	.81	.77	.67
81-CSTCR6M00G53	F	CSTCR6M00G53-RO	6.00	0.50%	.75	.71	.67	.59
Manufacturers Type CSTCV Series								
81-CSTCV12.00MTJ0C4	G	CSTCV12.00MTJ0C4-TC	12.00	0.50%	1.34	1.27	1.19	1.05
81-CSTCV16.00MX40C4	G	CSTCV16.00MX40C4-TC	16.00	0.50%	1.47	1.39	1.31	1.15



AVX CERAMIC RESONATORS

AVX/Kyocera produces a broad range of high quality ceramic resonators. The high quality and extensive coverage of this product line allows optimum design of almost any oscillating circuit.

Ceramic resonators stand between quartz crystal oscillators and LC/RC oscillators in regard to accuracy but are considerably smaller, require no adjustments, have improved start-up times, and are low in cost.



- Features:**
- Built-in capacitors
 - High reliability chip resonator in a ceramic case which can be reflow soldered and washed.
 - Ultra-miniature size is suitable for compact equipment high mounting density.

- Specifications:**
- Temperature Characteristics: -20°C to +80°C
 - Resonant Impedance: 2.00-2.90MHz = 200 ohm max
3.00-3.57MHz = 100 ohm max
3.58-8.00MHz = 30 ohm max
8.01-20.00MHz = ohm max
 - Frequency Tolerance: +/- 0.5%



- Features:**
- Built-in capacitance
 - Simplified circuit

- Specifications:**
- Frequency Tol.: +/-0.5%
 - Resonant Impedance: 30

For quantities 2500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Freq. (MHz)	Load Cap.	Price Each				
					1	10	100	500	1000
581-PBRC-2.00B	PBRC-2.00BR	A	2	33pF	.68	.63	.46	.41	.39
581-PBRC-2.45B	PBRC-2.45BR	A	2.45	33pF	1.04	.96	.70	.63	.60
581-PBRC-3.58B	PBRC-3.58BR	A	3.58	33pF	.39	.36	.26	.23	.22
581-PBRC-3.68B	PBRC-3.68BR	A	3.68	33pF	.39	.36	.26	.23	.22
581-PBRC-4.00B	PBRC-4.00BR	A	4	33pF	.39	.36	.26	.23	.22
581-PBRC-4.19B	PBRC-4.19BR	A	4.19	33pF	.70	.65	.47	.42	.40
581-PBRC-4.91B	PBRC-4.91BR	A	4.91	33pF	.44	.41	.30	.27	.26
581-PBRC-6.00B	PBRC-6.00BR	A	6	33pF	.73	.68	.50	.45	.42
581-PBRC-8.00B	PBRC-8.00BR	A	8	33pF	1.04	.97	.70	.63	.60
581-PBRC-20.00B	PBRC-20.00BR	A	20	10pF	1.37	1.27	.92	.83	.78
581-PBRC-2.00A	PBRC-2.00AR	B	2	none	1.04	.96	.70	.63	.60
581-PBRC-3.58A	PBRC-3.58AR	B	3.58	none	.59	.55	.40	.36	.34
581-PBRC-4.00A	PBRC-4.00AR	B	4	none	.70	.65	.47	.42	.40
581-PBRC-5.00A	PBRC-5.00AR	B	5	none	.73	.68	.50	.45	.42
581-PBRC-7.37A	PBRC-7.37AR	B	7.37	none	1.00	.93	.68	.61	.58

MOUSER STOCK NO.	AVX Part No.	Fig.	Freq. (MHz)	Load Cap.	Price Each				
					1	10	100	500	1000
581-KBR-3.58MKS	KBR-3.58MKS	C	3.58	built-in	.68	.63	.46	.41	.39
581-KBR-4.00MKS	KBR-4.00MKS	C	4	built-in	.27	.25	.18	.16	.15
581-KBR-4.00MKD	KBR-4.00MKD	D	4	built-in	.44	.41	.30	.27	.26
581-KBR-6.00MKS	KBR-6.00MKS	C	6	built-in	.65	.61	.44	.40	.37

- Features:**
- Ultracompact, lightweight design
 - Resistant to damage from impact and vibration
 - Excellent temperature stability (+/-0.3%)

- Specifications:**
- Frequency Tol.: +/-0.5%
 - Temperature Characteristic: -20 to +80 C

For quantities 2500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Freq. (MHz)	Resonant Impedance	Price Each				
					1	10	100	500	1000
581-KBR-2.00MS	KBR-2.00MS	E	2	100 max	.65	.61	.44	.40	.37
581-KBR-3.58MSA	KBR-3.58MSA	F	3.58	30 max	.50	.47	.34	.31	.29
581-KBR-4.00MSA	KBR-4.00MSA	F	4	30 max	.27	.25	.18	.16	.15
581-KBR-12.00MS	KBR-12.00MS	G	12	40 max	.65	.61	.44	.40	.37

ZTT SERIES CERAMIC RESONATORS

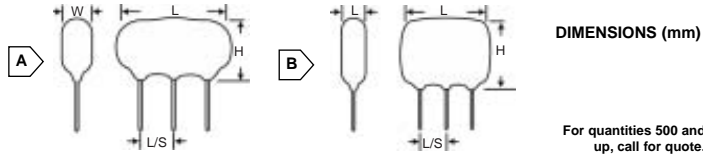
The ZTT Series ceramic resonator offers wide frequency range and extended temperature range capabilities with built-in load capacitance.

Specifications:

- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:

- Low profile
- Wide frequency range
- Extended temperature range
- High stability
- Built-in load capacitance



DIMENSIONS (mm)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Fig.	Frequency (MHz)	Load Cap.	Dimensions			Price Each			
					W	L	H	1	10	100	
520-ZTT358MG	ZTT-3.58MG	A	3.580000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT400MG	ZTT-4.00MG	A	4.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT600MT	ZTT-6.00MT	B	6.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT800MT	ZTT-8.00MT	B	8.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT1000MT	ZTT-10.00MT	B	10.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT1200MT	ZTT-12.00MT	B	12.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT1600MX	ZTT-16.00MX	B	16.000000	30pf	5	10	7.5	2.5	.40	.36	.32
520-ZTT2000MX	ZTT-20.00MX	B	20.000000	30pf	5	10	7.5	2.5	.40	.36	.32

ZTA SERIES CERAMIC RESONATORS

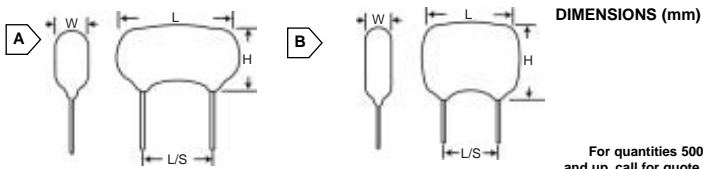
The ZTA Series ceramic resonator offers wide frequency range and extended temperature range capabilities.

Specifications:

- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:

- Low profile
- Wide frequency range
- Extended temperature range
- High stability



DIMENSIONS (mm)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Fig.	Frequency (MHz)	Dimensions			Price Each			
				W	L	H	1	10	100	
520-ZTA358MG	ZTA-3.58MG	A	3.580000	5	10	7.5	5	.36	.32	.29
520-ZTA400MG	ZTA-4.00MG	A	4.000000	5	10	7.5	5	.36	.32	.29
520-ZTA600MT	ZTA-6.00MT	B	6.000000	5	10	10	5	.36	.32	.29
520-ZTA800MT	ZTA-8.00MT	B	8.000000	5	10	10	5	.36	.32	.29
520-ZTA1000MT	ZTA-10.00MT	B	10.000000	5	10	10	5	.36	.32	.29
520-ZTA1200MT	ZTA-12.00MT	B	12.000000	5	10	10	5	.36	.32	.29
520-ZTA1600MX	ZTA-16.00MX	B	16.000000	5	10	10	5	.36	.32	.29
520-ZTA2000MX	ZTA-20.00MX	B	20.000000	5	10	10	5	.36	.32	.29

ECS-SR1-A SERIES SMD CERAMIC RESONATORS

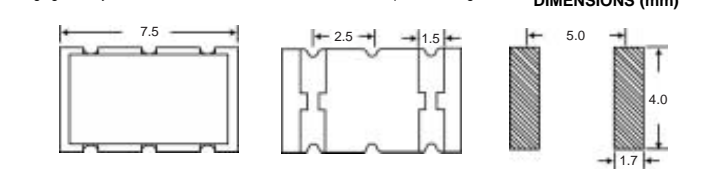
The ECS-SR-A SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

Specifications:

- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:

- Low profile
- Wide frequency range
- Extended temperature range
- Height: 1.8 max.



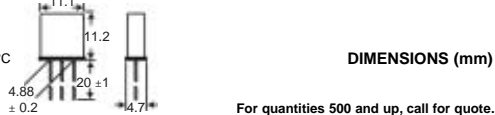
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Resonant Resistance	Price Each		
				1	10	100
520-ECS-SR1-3.58A	ECS-SR1-3.58-A	3.58	40	.68	.60	.45
520-ECS-SR1-4.00A	ECS-SR1-4.00-A	4.00	40	.68	.60	.45
520-ECS-SR1-4.19A	ECS-SR1-4.19-A	4.19	40	.68	.60	.45
520-ECS-SR1-6.00A	ECS-SR1-6.00-A	6.00	40	.68	.60	.45
520-ECS-SR1-8.00A	ECS-SR1-8.00-A	8.00	40	.68	.60	.45

10.7 MHz MONOLYTHIC CRYSTAL FILTERS

Specifications:

- Operating temp.: -20°C to +70°C
- Center Frequency: 10.7 MHz



DIMENSIONS (mm)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	No. of Poles	Pass Band 3dB min. (kHz)	Ripple Max. (dB)	Insertion Loss Max. (dB)	Price Each		
						1	10	100
520-107-7.5A	ECS-10.7-7.5A	2	± 3.75	0.5	1.5	3.20	2.88	2.72
520-107-7.5B	ECS-10.7-7.5B	4	± 3.75	1.0	2.5	7.40	6.66	6.29
520-107-15A	ECS-10.7-15A	2	± 7.5	0.5	2.0	1.90	1.71	1.62
520-107-15B	ECS-10.7-15B	4	± 7.5	1.0	2.5	3.90	3.51	3.32

ECS-SR-B SERIES SMD CERAMIC RESONATORS

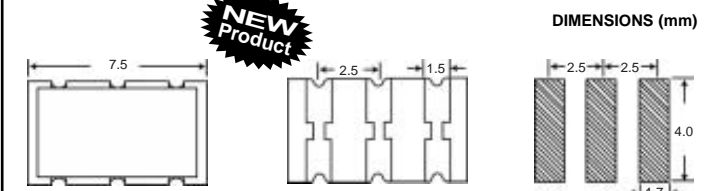
The ECS-SR-B Series SMD ceramic resonator includes a built in capacitor for simplification of oscillator circuits and reduces component count. The SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

Specifications:

- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:

- Low profile
- Wide frequency range
- Extended temperature range
- Built-in load capacitance
- Height: 2.2 max.



DIMENSIONS (mm)

For quantities 500 and up, call for quote.

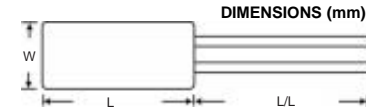
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Resonant Resistance	Price Each		
					1	10	100
520-ECS-SR1-3.58B	ECS-SR1-3.58-B	3.58	30pf	40	.72	.64	.48
520-ECS-SR1-4.00B	ECS-SR1-4.00-B	4.00	30pf	40	.72	.64	.48
520-ECS-SR1-4.19B	ECS-SR1-4.19-B	4.19	30pf	40	.72	.64	.48
520-ECS-SR1-6.00B	ECS-SR1-6.00-B	6.00	30pf	40	.72	.64	.48
520-ECS-SR1-8.00B	ECS-SR1-8.00-B	8.00	30pf	40	.72	.64	.48

CYLINDER TYPE CRYSTALS

This product represents our selection of miniature tubular high frequency crystals. They feature outstanding shock/vibration resistance and environmental characteristics.

Features:

- Cost effective
- Excellent aging
- Load Cap.: 18pf
- Lead length: .394 in.
- Wide frequency range
- Excellent reliability



DIMENSIONS (mm)

For quantities 500 and up, call for quote.

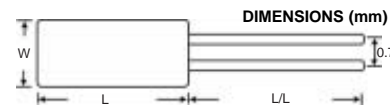
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Dimensions			Price Each		
			W	L	L/L	1	10	100
520-ECS-357-18-10	ECS-35-18-10	3.579545	3.2	10.5	10	.58	.53	.47
520-ECS-368-18-10	ECS-36-18-10	3.686400	3.2	10.5	10	.58	.53	.47
520-ECS-400-18-10	ECS-40-18-10	4.000000	3.2	10.5	10	.58	.53	.47
520-ECS-491-18-10	ECS-49-18-9	4.915200	3.2	10.5	10	.58	.53	.47
520-ECS-600-18-10	ECS-60-18-9	6.000000	3.2	10.5	10	.58	.53	.47
520-ECS-737-18-10	ECS-73-18-9	7.372800	3.2	10.5	10	.58	.53	.47
520-ECS-800-18-10	ECS-80-18-9	8.000000	3.2	10.5	10	.58	.53	.47
520-ECS-819-18-9	ECS-81-18-9	8.192000	3.2	9	10	.58	.53	.47
520-ECS-983-18-10	ECS-98-18-9	9.830400	3.2	10.5	10	.58	.53	.47
520-ECS-1000-18-9	ECS-100-18-9	10.000000	3.2	9	10	.58	.53	.47
520-ECS-1105-18-9	ECS-110.5-18-9	11.059000	3.2	9	10	.58	.53	.47
520-ECS-1200-18-9	ECS-120-18-9	12.000000	3.2	9	10	.58	.53	.47
520-ECS-1431-18-9	ECS-143-18-9	14.318180	3.2	9	10	.58	.53	.47
520-ECS-1474-18-9	ECS-147-18-9	14.745600	3.2	9	10	.58	.53	.47
520-ECS-1600-18-9	ECS-160-18-9	16.000000	3.2	9	10	.58	.53	.47
520-ECS-1843-18-9	ECS-184-18-9	18.432000	3.2	9	10	.58	.53	.47
520-ECS-1966-18-9	ECS-196-18-9	19.668000	3.2	9	10	.58	.53	.47
520-ECS-2000-18-9	ECS-200-18-9	20.000000	3.2	9	10	.58	.53	.47
520-ECS-2400-18-9	ECS-240-18-9	24.000000	3.2	9	10	.58	.53	.47
520-ECS-2457-18-9	ECS-245-18-9	24.576000	3.2	9	10	.58	.53	.47
520-ECS-2500-18-9	ECS-250-18-9	25.000000	3.2	9	10	.58	.53	.47
520-ECS-2700-18-9	ECS-270-18-9	27.000000	3.2	9	10	.58	.53	.47
520-ECS-3200-18-9	ECS-320-18-9	32.000000	3.2	9	10	.58	.53	.47
520-ECS-3276-18-9	ECS-327-18-9	32.768000	3.2	9	10	.58	.53	.47
520-ECS-4000-18-10	ECS-400-18-9	40.000000	3.2	10.5	10	.58	.53	.47
520-ECS-5000-18-9	ECS-500-18-9	50.000000	3.2	9	10	.58	.53	.47
520-ECS-6000-18-9	ECS-600-18-9	60.000000	3.2	9	10	.58	.53	.47
520-ECS-6666-18-9	ECS-666-18-9	66.666000	3.2	9	10	.58	.53	.47

ECS-31 2x6 SERIES LOW FREQUENCY QUARTZ CRYSTALS

The ECS-31 Series features the same characteristics as the only tuning fork crystals offer. Because of their miniature size they are ideal for portable and communication equipment applications.

Features:

- Miniature size
- Cost effective
- Lead length: .394 in.
- Long term stability
- Load Cap.: 12.5pf



DIMENSIONS (mm)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Freq. (KHz)	Dimensions			Price Each		
			W	L	L/L	1	10	100
520-ECS-32-12.5-13	ECS-.320-12.5-13	32	2.1	6.2	10	.66	.60	.53
520-ECS-40-12.5-13	ECS-.400-12.5-13	40	2.1	6.2	10	.66	.60	.53
520-ECS-60-12.5-13	ECS-.600-12.5-13	60	2.1	6.2	10	.66	.60	.53
520-ECS-655-12.5-13	ECS-.655-12.5-13	65.5	2.1	6.2	10	.66	.60	.53
520-ECS-75-12.5-13	ECS-.750-12.5-13	75	2.1	6.2	10	.66	.60	.53
520-ECS-100-12.5-13	ECS-1.00-12.5-13	100	2.1	6.2	10	.66	.60	.53
520-ECS-1536-12.5-13	ECS-1.536-12.5-13	153.6	2.1	6.2	10	.66	.60	.53

HC-49/U

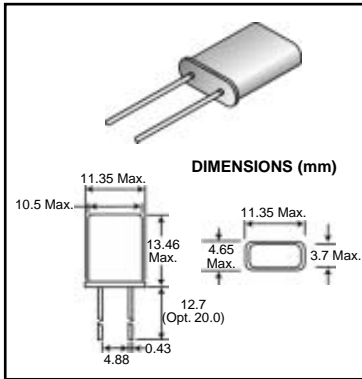
This product represents our selection of standard resistance weld type quartz crystals.

Specifications:

- Frequency Tolerance: ± 30 ppm
- Shunt Capacitance: 7.0pF
- Load Capacitance: specified or series
- Operating Temperature Range: -10°C to +70°C
- Storage Temperature: -30°C to +85°C

Features:

- Cost effective
- Excellent aging
- Wide frequency range
- Tight tolerances
- Excellent reliability
- "AT" cut crystal

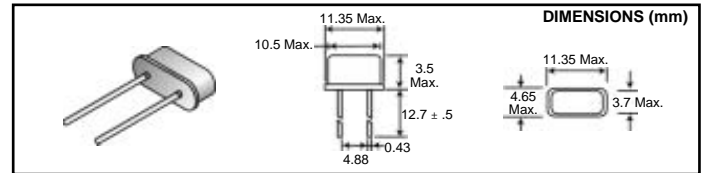


For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-HCA100-13	ECS-10-13-1	1.000000	13pf	11.20	10.00	8.96	8.40
520-HCA184-S	ECS-18-S-1	1.843200	Series	1.20	1.08	.96	.84
520-HCA184-13	ECS-18-13-1	1.843200	13pf	1.20	1.08	.96	.84
520-HCA200-S	ECS-20-S-1	2.000000	Series	1.20	1.08	.96	.84
520-HCA200-20	ECS-20-20-1	2.000000	20pf	1.20	1.08	.96	.84
520-HCA204-12	ECS-20.48-12-1	2.048000	12pf	1.20	1.08	.96	.84
520-HCA250-S	ECS-25-S-1	2.500000	Series	1.00	.90	.80	.70
520-HCA300-S	ECS-30-S-1	3.000000	Series	1.00	.90	.80	.70
520-HCA327-17	ECS-32-17-1	3.276800	17pf	.40	.36	.32	.28
520-HCA357-S	ECS-35-S-1	3.579545	Series	.40	.36	.32	.28
520-HCA357-17	ECS-35-17-1	3.579545	17pf	.40	.36	.32	.28
520-HCA368-S	ECS-36-S-1	3.686400	Series	.40	.36	.32	.28
520-HCA368-18	ECS-36-18-1	3.686400	18pf	.40	.36	.32	.28
520-HCA393-17	ECS-39-17-1	3.932160	17pf	.40	.36	.32	.28
520-HCA400-20	ECS-40-20-1	4.000000	20pf	.40	.36	.32	.28
520-HCA400-S	ECS-40-S-1	4.000000	Series	.40	.36	.32	.28
520-HCA403-20	ECS-40.3-20-1	4.032000	20pf	.40	.36	.32	.28
520-HCA419-12	ECS-42-12-1	4.194304	12pf	.40	.36	.32	.28
520-HCA443-20	ECS-44-20-1	4.433618	20pf	.40	.36	.32	.28
520-HCA500-20	ECS-50-20-1	5.000000	20pf	.40	.36	.32	.28
520-HCA500-S	ECS-50-S-1	5.000000	Series	.40	.36	.32	.28
520-HCA506-20	ECS-51-20-1	5.068800	20pf	.40	.36	.32	.28
520-HCA518-32	ECS-52-32-1	5.185000	32pf	.40	.36	.32	.28
520-HCA518-S	ECS-52-S-1	5.185000	Series	.40	.36	.32	.28
520-HCA599-20	ECS-59-20-1	5.990400	20pf	.40	.36	.32	.28
520-HCA599-S	ECS-59-S-1	5.990400	Series	.40	.36	.32	.28
520-HCA600-32	ECS-60-32-1	6.000000	32pf	.40	.36	.32	.28
520-HCA600-S	ECS-60-S-1	6.000000	Series	.40	.36	.32	.28
520-HCA614-32	ECS-61-32-1	6.144000	32pf	.40	.36	.32	.28
520-HCA655-12	ECS-65-12-1	6.553600	12pf	.40	.36	.32	.28
520-HCA737-20	ECS-73-20-1	7.372800	20pf	.40	.36	.32	.28
520-HCA768-20	ECS-76.8-20-1	7.680000	20pf	.40	.36	.32	.28
520-HCA800-20	ECS-80-20-1	8.000000	20pf	.40	.36	.32	.28
520-HCA800-32	ECS-80-32-1	8.000000	32pf	.40	.36	.32	.28
520-HCA800-S	ECS-80-S-1	8.000000	Series	.40	.36	.32	.28
520-HCA921-S	ECS-92.1-S-1	9.216000	Series	.40	.36	.32	.28
520-HCA983-20	ECS-98.3-20-1	9.830400	20pf	.40	.36	.32	.28
520-HCA1000-S	ECS-100-S-1	10.000000	Series	.40	.36	.32	.28
520-HCA1073-S	ECS-107-S-1	10.738635	Series	.40	.36	.32	.28
520-HCA1104-S	ECS-110.4-S-1	11.046000	Series	.40	.36	.32	.28
520-HCA1105-20	ECS-110.5-20-1	11.059200	20pf	.40	.36	.32	.28
520-HCA1105-32	ECS-110.5-32-1	11.059200	32pf	.40	.36	.32	.28
520-HCA1105-S	ECS-110.5-S-1	11.059200	Series	.40	.36	.32	.28
520-HCA1122-S	ECS-112.2-S-1	11.228000	Series	.40	.36	.32	.28
520-HCA1152-S	ECS-115.2-S-1	11.520000	Series	.40	.36	.32	.28
520-HCA1198-S	ECS-119.8-S-1	11.981350	Series	.40	.36	.32	.28
520-HCA1200-S	ECS-120-S-1	12.000000	Series	.40	.36	.32	.28
520-HCA1200-32	ECS-120-32-1	12.000000	32pf	.40	.36	.32	.28
520-HCA1209-S	ECS-121-S-1	12.096000	Series	.40	.36	.32	.28
520-HCA1228-20	ECS-122.8-20-1	12.288000	20pf	.40	.36	.32	.28
520-HCA1228-S	ECS-122.8-S-1	12.288000	Series	.40	.36	.32	.28
520-HCA1351-S	ECS-135-S-1	13.516800	Series	.40	.36	.32	.28
520-HCA1469-S	ECS-146-S-1	14.690000	Series	.40	.36	.32	.28
520-HCA1474-S	ECS-147.4-S-1	14.745600	Series	.40	.36	.32	.28
520-HCA1600-S	ECS-160-S-1	16.000000	Series	.40	.36	.32	.28
520-HCA1600-20	ECS-160-20-1	16.000000	20pf	.40	.36	.32	.28
520-HCA1601-18	ECS-160.003-18-1	16.000312	18pf	.40	.36	.32	.28
520-HCA1800-20	ECS-180-20-1	18.000000	20pf	.40	.36	.32	.28
520-HCA1800-S	ECS-180-S-1	18.000000	Series	.40	.36	.32	.28
520-HCA1843-20	ECS-184-20-1	18.432000	20pf	.40	.36	.32	.28
520-HCA1966-20	ECS-196.6-20-1	19.668000	20pf	.40	.36	.32	.28
520-HCA2000-20	ECS-200-20-1	20.000000	20pf	.40	.36	.32	.28
520-HCA2000-S	ECS-200-S-1	20.000000	Series	.40	.36	.32	.28
520-HCA2401-18	ECS-240.0001-18-1	24.000140	18pf	.40	.36	.32	.28
520-HCA3525-18	ECS-352.5-18-1	35.251200	18pf	.40	.36	.32	.28
520-HCA3801-18	ECS-380.005-18.1	38.000530	18pf	.40	.36	.32	.28
520-HCA4800-S	ECS-480-S-1	48.000000	Series	.40	.36	.32	.28
520-HCA4800-20	ECS-480-20-1	48.000000	20pf	.40	.36	.32	.28
520-HCA4986-20	ECS-498.6-20-1	49.860000	20pf	.40	.36	.32	.28

WECS HC-49/US

This product represents our selection of low profile resistance weld type quartz crystals.



Specifications:

- Frequency Tolerance: ± 30 ppm
- Shunt Capacitance: 7.0pF
- Load Capacitance: specified or series
- Operating Temperature Range: -10°C to +70°C
- Storage Temperature: -30°C to +85°C
- Industrial Range: -40°C to +85°C (± 50 ppm)

Features:

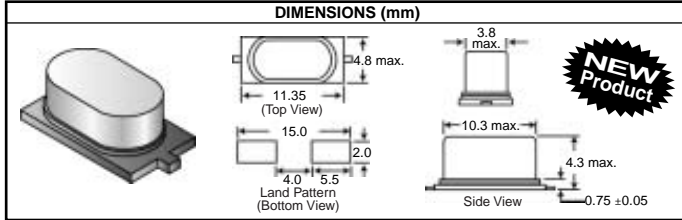
- Cost effective
- Excellent aging
- Wide frequency range
- Low Profile
- Excellent reliability
- "AT strip" blank technology

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-HCU357-17	ECS-35-17-4	3.579545	17pf	.46	.41	.37	.32
520-HCU357-S	ECS-35-S-4	3.579545	Series	.46	.41	.37	.32
520-HCU368-S	ECS-36-S-4	3.686400	Series	.46	.41	.37	.32
520-HCU368-18	ECS-36-18-4	3.686400	18pf	.46	.41	.37	.32
520-HCU400-20	ECS-40-20-4	4.000000	20pf	.46	.41	.37	.32
520-HCU400-S	ECS-40-S-4	4.000000	Series	.46	.41	.37	.32
520-HCU409-20	ECS-41-20-4	4.096000	20pf	.46	.41	.37	.32
520-HCU409-30	ECS-41-30-4	4.096000	30pf	.46	.41	.37	.32
520-HCU419-12	ECS-42-12-4	4.194304	12pf	.46	.41	.37	.32
520-HCU443-20	ECS-44-20-4	4.433618	20pf	.46	.41	.37	.32
520-HCU500-20	ECS-50-20-4	5.000000	20pf	.46	.41	.37	.32
520-HCU500-S	ECS-50-S-4	5.000000	Series	.46	.41	.37	.32
520-HCU506-20	ECS-51-20-4	5.068800	20pf	.46	.41	.37	.32
520-HCU506-S	ECS-51-S-4	5.068800	Series	.46	.41	.37	.32
520-HCU518-32	ECS-52-32-4	5.185000	32pf	.46	.41	.37	.32
520-HCU518-S	ECS-52-S-4	5.185000	Series	.46	.41	.37	.32
520-HCU599-S	ECS-59.9-S-4	5.990400	Series	.46	.41	.37	.32
520-HCU600-32	ECS-60-32-4	6.000000	32pf	.46	.41	.37	.32
520-HCU600-S	ECS-60-S-4	6.000000	Series	.46	.41	.37	.32
520-HCU614-32	ECS-61-32-4	6.144000	32pf	.46	.41	.37	.32
520-HCU650-20	ECS-65-20-4	6.500000	20pf	.46	.41	.37	.32
520-HCU655-S	ECS-6.55-S-4	6.553600	Series	.46	.41	.37	.32
520-HCU737-20	ECS-73-20-4	7.372800	20pf	.46	.41	.37	.32
520-HCU768-20	ECS-76.8-20-4	7.680000	20pf	.46	.41	.37	.32
520-HCU800-18	ECS-80-18-4	8.000000	18pf	.46	.41	.37	.32
520-HCU800-20	ECS-80-20-4	8.000000	20pf	.46	.41	.37	.32
520-HCU800-32	ECS-80-32-4	8.000000	32pf	.46	.41	.37	.32
520-HCU800-S	ECS-80-S-4	8.000000	Series	.46	.41	.37	.32
520-HCU900-S	ECS-90-S-4	9.000000	Series	.46	.41	.37	.32
520-HCU921-S	ECS-92.1-S-4	9.216000	Series	.46	.41	.37	.32
520-HCU983-20	ECS-98.3-20-4	9.830400	20pf	.46	.41	.37	.32
520-HCU983-S	ECS-98.3-S-4	9.830400	Series	.46	.41	.37	.32
520-HCU1000-S	ECS-100-S-4	10.000000	Series	.46	.41	.37	.32
520-HCU1100-S	ECS-110-S-4	11.000000	Series	.46	.41	.37	.32
520-HCU1105-20	ECS-110.5-20-4	11.059200	20pf	.46	.41	.37	.32
520-HCU1105-32	ECS-110.5-32-4	11.059200	32pf	.46	.41	.37	.32
520-HCU1105-S	ECS-110.5-S-4	11.059200	Series	.46	.41	.37	.32
520-HCU1152-S	ECS-115.2-S-4	11.520000	Series	.46	.41	.37	.32
520-HCU1200-S	ECS-120-S-4	12.000000	Series	.46	.41	.37	.32
520-HCU1200-20	ECS-120-20-4	12.000000	20pf	.46	.41	.37	.32
520-HCU1200-32	ECS-120-32-4	12.000000	32pf	.46	.41	.37	.32
520-HCU1201-18	ECS-120.003-18-4	12.000393	18pf	.46	.41	.37	.32
520-HCU1209-S	ECS-121-S-4	12.096000	Series	.46	.41	.37	.32
520-HCU1228-S	ECS-122.8-S-4	12.288000	Series	.46	.41	.37	.32
520-HCU1228-20	ECS-122.8-20-4	12.288000	20pf	.46	.41	.37	.32
520-HCU1296-18	ECS-129-18-4	12.960000	18pf	.46	.41	.37	.32
520-HCU1474-20	ECS-147.4-20-4	14.745600	20pf	.46	.41	.37	.32
520-HCU1474-S	ECS-147.4-S-4	14.745600	Series	.46	.41	.37	.32
520-HCU1536-20	ECS-153-20-4	15.360000	20pf	.46	.41	.37	.32
520-HCU1600-S	ECS-160-S-4	16.000000	Series	.46	.41	.37	.32
520-HCU1600-20	ECS-160-20-4	16.000000	20pf	.46	.41	.37	.32
520-HCU1601-18	ECS-160.003-18-4	16.000312	18pf	.46	.41	.37	.32
520-HCU1625-20	ECS-162.5-20-4	16.250000	20pf	.46	.41	.37	.32
520-HCU1625-S	ECS-162.5-S-4	16.250000	Series	.46	.41	.37	.32
520-HCU1800-S	ECS-180-S-4	18.000000	Series	.46	.41	.37	.32
520-HCU1843-20	ECS-184-20-4	18.432000	20pf	.46	.41	.37	.32
520-HCU1966-S	ECS-196.6-S-4	19.668000	Series	.46	.41	.37	.32
520-HCU1966-20	ECS-196-20-4	19.668000	20pf	.46	.41	.37	.32
520-HCU2000-S	ECS-200-S-4	20.000000	Series	.46	.41	.37</	

CSM-7

The CSM-7 is an excellent choice for the SMD version of the HC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.



Specifications:

- Frequency tolerance: ±30 ppm
- Operating temp. Range: -10°C to +70°C
- Cost effective
- Extended temperature: +25°C to ±30 ppm
- Industrial Range: -40°C to +85°C (50 ppm)
- Space saving design
- Shunt capacitance: 7.0pF
- Storage temperature: -30°C to +85°C
- Low profile
- Load capacitance: specified or series

Features:

- Cost effective
- Space saving design
- Low profile

For quantities 1000 and up, call for quote.

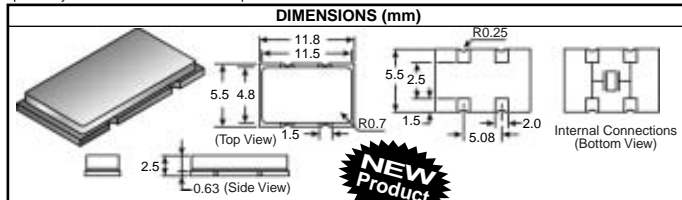
MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-CSM357-17	ECS-35-17-5P	3.579545	17pf	.68	.58	.46	.41
520-CSM368-S	ECS-36-S-5P	3.6864	Series	.68	.58	.46	.41
520-CSM368-20	ECS-36-20-5P	3.6864	20pf	.68	.58	.46	.41
520-CSM400-20	ECS-40-20-5P	4.0000	20pf	.68	.58	.46	.41
520-CSM403-20	ECS-40.3-20-5P	4.032000	20pf	.68	.58	.46	.41
520-CSM409-20	ECS-41-20-5P	4.096000	20pf	.68	.58	.46	.41
520-CSM419-12	ECS-42-12-5P	4.194304	12pf	.68	.58	.46	.41
520-CSM491-S	ECS-49-S-5P	4.9152	Series	.68	.58	.46	.41
520-CSM491-20	ECS-49-20-5P	4.9152	20pf	.68	.58	.46	.41
520-CSM500-20	ECS-50-20-5P	5.000000	20pf	.68	.58	.46	.41
520-CSM500-S	ECS-50-S-5P	5.000000	Series	.68	.58	.46	.41
520-CSM600-32	ECS-60-32-5P	6.000000	32pf	.68	.58	.46	.41
520-CSM600-S	ECS-60-S-5P	6.000000	Series	.68	.58	.46	.41
520-CSM614-32	ECS-61-32-5P	6.144000	32pf	.68	.58	.46	.41
520-CSM655-S	ECS-65.5-S-5P	6.553600	Series	.68	.58	.46	.41
520-CSM737-20	ECS-73-20-5P	7.372800	20pf	.68	.58	.46	.41
520-CSM800-18	ECS-80-18-5P	8.0000	18pf	.68	.58	.46	.41
520-CSM800-32	ECS-80-32-5P	8.0000	32pf	.68	.58	.46	.41
520-CSM800-S	ECS-80-S-5P	8.0000	Series	.68	.58	.46	.41
520-CSM921-S	ECS-92.1-S-5P	9.216000	Series	.68	.58	.46	.41
520-CSM983-S	ECS-98.3-S-5P	9.8304	Series	.68	.58	.46	.41
520-CSM1000-S	ECS-100-S-5P	10.000000	Series	.68	.58	.46	.41
520-CSM1105-32	ECS-110.5-32-5P	11.0592	32pf	.68	.58	.46	.41
520-CSM1105-20	ECS-110.5-20-5P	11.0592	20pf	.68	.58	.46	.41
520-CSM1105-S	ECS-110.5-S-5P	11.0592	Series	.68	.58	.46	.41
520-CSM1200-S	ECS-120-S-5P	12.000000	Series	.68	.58	.46	.41
520-CSM1201-18	ECS-120.003-18-5P	12.000393	18pf	.68	.58	.46	.41
520-CSM1228-20	ECS-122.8-20-5P	12.288000	20pf	.68	.58	.46	.41
520-CSM1228-S	ECS-122.8-S-5P	12.288000	Series	.68	.58	.46	.41
520-CSM1431-S	ECS-143-S-5P	14.318180	Series	.68	.58	.46	.41
520-CSM1600-20	ECS-160-20-5P	16.000000	20pf	.68	.58	.46	.41
520-CSM1600-S	ECS-160-S-5P	16.000000	Series	.68	.58	.46	.41
520-CSM1843-S	ECS-184-S-5P	18.432000	Series	.68	.58	.46	.41
520-CSM2000-20	ECS-200-20-5P	20.000000	20pf	.68	.58	.46	.41
520-CSM2048-20	ECS-204.8-20-5P	20.480000	20pf	.68	.58	.46	.41
520-CSM2457-20	ECS-245.7-20-5P	24.576000	20pf	.68	.58	.46	.41
520-CSM2500-18	ECS-250-18-5P	25.000000	18pf	.68	.58	.46	.41
520-CSM4800-20	ECS-480-20-5P	48.000000	20pf	.68	.58	.46	.41

Extended Temperature Range (-40°C to +85°C ± 50 ppm)

520-CSM357-17DN	ECS-35-17-5P-DN	3.579545	17pf	1.30	1.10	.86	.70
520-CSM368-20DN	ECS-36-20-5P-DN	3.686400	20pf	1.30	1.10	.86	.70
520-CSM400-20DN	ECS-40-20-5P-DN	4.000000	20pf	1.30	1.10	.86	.70
520-CSM600-32DN	ECS-60-32-5P-DN	6.000000	32pf	1.30	1.10	.86	.70
520-CSM737-20DN	ECS-73-20-5P-DN	7.372800	20pf	1.30	1.10	.86	.70
520-CSM800-18DN	ECS-80-18-5P-DN	8.000000	18pf	1.30	1.10	.86	.70
520-CSM1200-20DN	ECS-120-20-5P-DN	12.000000	20pf	1.30	1.10	.86	.70
520-CSM1431-20DN	ECS-143-20-5P-DN	14.318180	20pf	1.30	1.10	.86	.70
520-CSM1600-20DN	ECS-160-20-5P-DN	16.000000	20pf	1.30	1.10	.86	.70
520-CSM1843-20DN	ECS-184-20-5P-DN	18.432000	20pf	1.30	1.10	.86	.70
520-CSM1966-20DN	ECS-196-20-5P-DN	19.660800	20pf	1.30	1.10	.86	.70
520-CSM2000-20DN	ECS-200-20-5P-DN	20.000000	20pf	1.30	1.10	.86	.70
520-CSM2400-20DN	ECS-240-20-5P-DN	24.000000	20pf	1.30	1.10	.86	.70

WECS INC. CSM-12 SURFACE MOUNT DEVICE

The CSM-12 is enclosed in a ceramic package. It is an excellent choice for a full size version of our miniature quartz crystal. The CSM-12 has a low profile dimension of 2.5mm.



Specifications:

- Frequency tolerance: ±30 ppm
- Load capacitance: standard or series
- Cost effective, low profile
- Shunt capacitance: 7.0pF
- Mode of oscillation: fundamental
- Space saving design

Features:

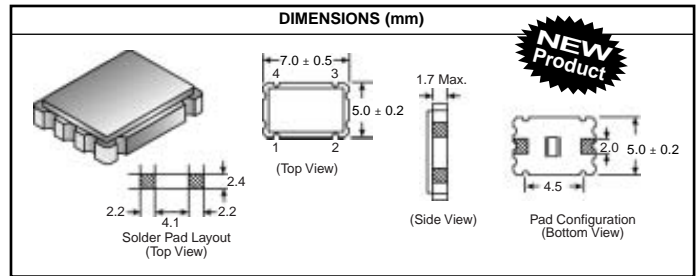
- Cost effective, low profile
- Space saving design

For quantities 1000 and up, call for quote.

520-CSR357-17	ECS-35-17-18	3.579545	17pf	1.36	1.22	1.09	.95
520-CSR368-20	ECS-36-20-18	3.686400	20pf	1.36	1.22	1.09	.95
520-CSR400-20	ECS-40-20-18	4.000000	20pf	1.36	1.22	1.09	.95
520-CSR983-20	ECS-98.3-20-18	9.830400	20pf	1.36	1.22	1.09	.95
520-CSR1105-S	ECS-110.5-S-18	11.059200	Series	1.36	1.22	1.09	.95
520-CSR1200-S	ECS-120-S-18	12.000000	Series	1.36	1.22	1.09	.95
520-CSR1431-S	ECS-143-S-18	14.318180	Series	1.36	1.22	1.09	.95
520-CSR1431-18	ECS-143-20-18	14.318180	18pf	1.36	1.22	1.09	.95
520-CSR1843-S	ECS-184-S-18	18.432000	Series	1.36	1.22	1.09	.95
520-CSR1966-S	ECS-196.6-S-18	19.660800	Series	1.36	1.22	1.09	.95
520-CSR2000-S	ECS-200-S-18	20.000000	Series	1.36	1.22	1.09	.95

WECS INC. CSM-8A

The CSM-8A Series is a very cost effective, low profile SMD quartz crystal. It is ideal for PCMCIA, ethernet, and fax modem card applications. Additional land pads available. Contact a Mouser Sales Representative for more information.



Specifications:

- Frequency tolerance: ±30 ppm
- Shunt capacitance: 5.0pF
- Load capacitance: standard or series
- Operating temperature: -10°C to +70°C
- Storage temperature: -40°C to +85°C

Features:

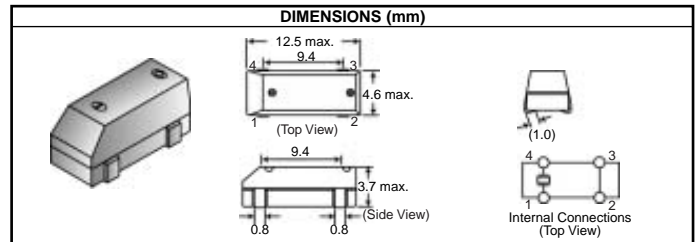
- Glass sealed ceramic package
- Tight stability/high reliability
- Wide frequency range
- High frequency fundamental availability
- Three optional footprints

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-CSQ1000-S	ECS-100-S-20A	10.000000	Series	2.70	2.53	2.17	1.89
520-CSQ1105-20	ECS-110.5-20-20A	11.059200	20pf	2.70	2.53	2.17	1.89
520-CSQ1431-S	ECS-143-S-20A	14.318180	Series	2.70	2.53	2.17	1.89
520-CSQ1431-20	ECS-143-20-20A	14.318180	20pf	2.70	2.53	2.17	1.89
520-CSQ1600-20	ECS-160-20-20A	16.000000	20pf	2.70	2.53	2.17	1.89
520-CSQ1966-S	ECS-196.6-A-20A	19.660800	Series	2.70	2.53	2.17	1.89
520-CSQ2000-S	ECS-200-S-20A	20.000000	Series	2.70	2.53	2.17	1.89
520-CSQ2400-20	ECS-240-20-20A	24.000000	20pf	2.70	2.53	2.17	1.89
520-CSQ3000-S	ECS-300-S-20A	30.000000	Series	2.70	2.53	2.17	1.89
520-CSQ3000-A	ECS-300-S-20A-F	30.000000	Series	2.70	2.53	2.17	1.89
520-CSQ3200-A	ECS-320-S-20A	32.000000	Series	2.70	2.53	2.17	1.89
520-CSQ3300-A	ECS-330-S-20A	33.000000	Series	2.70	2.53	2.17	1.89
520-CSQ3600-S	ECS-360-S-20A-F	36.000000	Series	2.70	2.53	2.17	1.89
520-CSQ4000-A	ECS-400-S-20A	40.000000	Series	2.70	2.53	2.17	1.89
520-CSQ4800-20	ECS-480-20-20A	48.000000	20pf	2.70	2.53	2.17	1.89

WECS INC. ECX-3S

This wide frequency range SMD quartz crystal is an excellent choice for surface mount applications. The ruggedized molded package is made from the same thermoplastic that is industry standard for integrated circuits.



Specifications:

- Frequency tolerance: ±30 ppm
- Shunt capacitance: 7.0pF
- Load capacitance: standard or series
- Operating temperature Range: -10°C to +70°C
- Storage temperature: -40°C to +85°C

Features:

- Low profile
- Industry standard footprint
- High temperature seal capabilities
- Excellent shock resistance
- Excellent environmental characteristics

For quantities 1000 and up, call for quote.

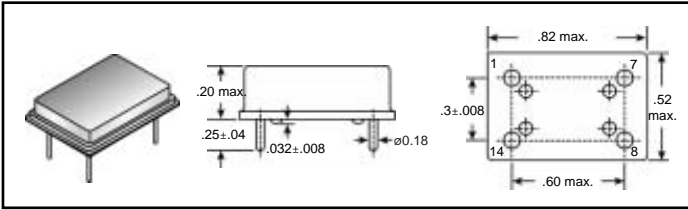
MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-ECX368-S	ECS-36-S-7S	3.6864	Series	1.88	1.50	1.20	1.05
520-ECX400-20	ECS-40-20-7S	4.0000	20pf	1.88	1.50	1.20	1.05
520-ECX491-S	ECS-49-S-7S	4.915200	Series	1.88	1.50	1.20	1.05
520-ECX614-32	ECS-61-32-7S	6.144000	32pf	1.88	1.50	1.20	1.05
520-ECX655-12	ECS-65-12-7S	6.553600	12pf	1.88	1.50	1.20	1.05
520-ECX800-16	ECS-80-16-7S	8.0000	16pf	1.88	1.50	1.20	1.05
520-ECX983-20	ECS-98.3-20-7S	9.8304	20pf	1.88	1.50	1.20	1.05
520-ECX1200-S	ECS-120-S-7S	12.0000	Series	1.88	1.50	1.20	1.05
520-ECX1200-18	ECS-120-18-7S	12.0000	18pf	1.88	1.50	1.20	1.05
520-ECX1200-32	ECS-120-32-7S	12.0000	32pf	1.88	1.50	1.20	1.05
520-ECX1228-S	ECS-122.8-S-7S	12.2880	Series	1.88	1.50	1.20	1.05
520-ECX1228-20	ECS-122.8-20-7S	12.2880	20pf	1.88	1.50	1.20	1.05
520-ECX1431-20	ECS-143-20-7S	14.318180	20pf	1.88	1.50	1.20	1.05
520-ECX1843-S	ECS-184-S-7S	18.432000	Series	1.88	1.50	1.20	1.05
520-ECX1966-20	ECS-196.6-20-7S	19.660800	20pf	1.88	1.50	1.20	1.05
520-ECX1966-S	ECS-196.6-S-7S	19.660800	Series	1.88	1.50	1.20	1.05
520-ECX2000-16	ECS-200-16-7S	20.000000	16pf	1.88	1.50	1.20	1.05
520-ECX2000-S	ECS-200-S-7S	20.000000	Series	1.88	1.50	1.20	1.05

FULL SIZE (TTL/HC MOS) CLOCK OSCILLATORS

Specifications:

- Frequency stability: ± 100 ppm max.
- Supply voltage: $+5.0 \pm 0.25$
- Operating Temp.: 0°C to $+70^{\circ}\text{C}$
- Storage Temp.: -55°C to $+125^{\circ}\text{C}$
- Output Load: TTL: 10 TTL max.

DIMENSIONS (IN.)



For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
520-TCF100	ECS-100A-1.0MHZ	1.000000	1.50	1.35	1.20	1.05
520-TCF122	ECS-100A-1.2288MHZ	1.228800	1.50	1.35	1.20	1.05
520-TCF200	ECS-100A-2.0MHZ	2.000000	1.50	1.35	1.20	1.05
520-TCF357	ECS-100A-3.579545MHZ	3.579545	1.50	1.35	1.20	1.05
520-TCF368	ECS-100A-3.6864MHZ	3.686400	1.50	1.35	1.20	1.05
520-TCF400	ECS-100A-4.0MHZ	4.000000	1.50	1.35	1.20	1.05
520-TCF491	ECS-100A-4.9152MHZ	4.915200	1.50	1.35	1.20	1.05
520-TCF500	ECS-100A-5.0MHZ	5.000000	1.50	1.35	1.20	1.05
520-TCF506	ECS-100A-5.0688MHZ	5.068800	1.50	1.35	1.20	1.05
520-TCF600	ECS-100A-6.0MHZ	6.000000	1.50	1.35	1.20	1.05
520-TCF614	ECS-100A-6.144MHZ	6.144000	1.50	1.35	1.20	1.05
520-TCF737	ECS-100A-7.3728MHZ	7.372800	1.50	1.35	1.20	1.05
520-TCF800	ECS-100A-8.0MHZ	8.000000	1.50	1.35	1.20	1.05
520-TCF921	ECS-100A-9.216MHZ	9.216000	1.50	1.35	1.20	1.05
520-TCF983	ECS-100A-9.8304MHZ	9.830400	1.50	1.35	1.20	1.05
520-TCF1000	ECS-100A-10.0MHZ	10.000000	1.50	1.35	1.20	1.05
520-TCF1105	ECS-100A-11.0592MHZ	11.059200	1.50	1.35	1.20	1.05
520-TCF1431	ECS-100A-14.31818MHZ	14.318180	1.50	1.35	1.20	1.05
520-TCF1600	ECS-100A-16.0MHZ	16.000000	1.50	1.35	1.20	1.05
520-TCF1625	ECS-100A-16.257MHZ	16.257000	1.50	1.35	1.20	1.05
520-TCF1800	ECS-100A-18.0MHZ	18.000000	1.50	1.35	1.20	1.05
520-TCF1843	ECS-100A-18.432MHZ	18.432000	1.50	1.35	1.20	1.05
520-TCF1966	ECS-100A-19.6608MHZ	19.660800	1.50	1.35	1.20	1.05
520-TCF2000	ECS-100A-20.000MHZ	20.000000	1.50	1.35	1.20	1.05
520-TCF2400	ECS-100A-24.000MHZ	24.000000	1.50	1.35	1.20	1.05
520-TCF2500	ECS-100A-25.000MHZ	25.000000	1.50	1.35	1.20	1.05
520-TCF2832	ECS-100A-28.322MHZ	28.322000	1.50	1.35	1.20	1.05
520-TCF3000	ECS-100A-30.000MHZ	30.000000	1.50	1.35	1.20	1.05
520-TCF3500	ECS-100A-35.000MHZ	35.000000	1.50	1.35	1.20	1.05
520-TCF4000	ECS-100A-40.000MHZ	40.000000	1.50	1.35	1.20	1.05
520-TCF5000	ECS-100A-50.000MHZ	50.000000	1.50	1.35	1.20	1.05
520-TCF6666	ECS-100A-66.666MHZ	66.666000	1.50	1.35	1.20	1.05

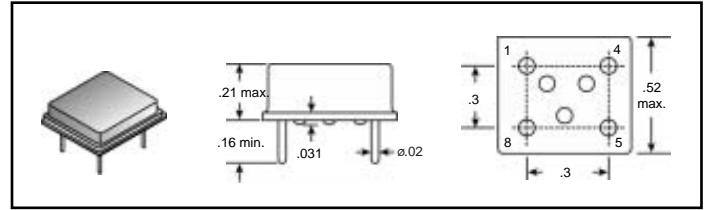
HALF SIZE (TTL/HC MOS) CLOCK OSCILLATORS

Specifications:

- Frequency stability: ± 100 ppm max.
- Supply voltage: $+5.0 \pm 0.25$
- Operating Temp.: 0°C to $+70^{\circ}\text{C}$

- Storage Temp.: -55°C to $+125^{\circ}\text{C}$
- Output Load: TTL: 10 TTL max.
HC MOS: 50pf

DIMENSIONS (IN.)



For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
520-TCH100	ECS-2100A-1.0MHZ	1.000000	1.70	1.53	1.36	1.19
520-TCH122	ECS-2100A-1.2288MHZ	1.228800	1.70	1.53	1.36	1.19
520-TCH184	ECS-2100A-1.8432MHZ	1.843200	1.70	1.53	1.36	1.19
520-TCH200	ECS-2100A-2.0MHZ	2.000000	1.70	1.53	1.36	1.19
520-TCH357	ECS-2100A-3.579545MHZ	3.579545	1.70	1.53	1.36	1.19
520-TCH368	ECS-2100A-3.6864MHZ	3.686400	1.70	1.53	1.36	1.19
520-TCH400	ECS-2100A-4.0MHZ	4.000000	1.70	1.53	1.36	1.19
520-TCH506	ECS-2100A-5.0688MHZ	5.068800	1.70	1.53	1.36	1.19
520-TCH600	ECS-2100A-6.0MHZ	6.000000	1.70	1.53	1.36	1.19
520-TCH614	ECS-2100A-6.144MHZ	6.144000	1.70	1.53	1.36	1.19
520-TCH800	ECS-2100A-8.0MHZ	8.000000	1.70	1.53	1.36	1.19
520-TCH921	ECS-2100A-9.216MHZ	9.216000	1.70	1.53	1.36	1.19
520-TCH983	ECS-2100A-9.8304MHZ	9.830400	1.70	1.53	1.36	1.19
520-TCH1000	ECS-2100A-10.0MHZ	10.000000	1.70	1.53	1.36	1.19
520-TCH1105	ECS-2100A-11.0592MHZ	11.059200	1.70	1.53	1.36	1.19
520-TCH1200	ECS-2100A-12.0MHZ	12.000000	1.70	1.53	1.36	1.19
520-TCH1431	ECS-2100A-14.31818MHZ	14.318180	1.70	1.53	1.36	1.19
520-TCH1600	ECS-2100A-16.0MHZ	16.000000	1.70	1.53	1.36	1.19
520-TCH1625	ECS-2100A-16.257MHZ	16.257000	1.70	1.53	1.36	1.19
520-TCH1800	ECS-2100A-18.0MHZ	18.000000	1.70	1.53	1.36	1.19
520-TCH1843	ECS-2100A-18.432MHZ	18.432000	1.70	1.53	1.36	1.19
520-TCH1966	ECS-2100A-19.6608MHZ	19.660800	1.70	1.53	1.36	1.19
520-TCH2000	ECS-2100A-20.0MHZ	20.000000	1.70	1.53	1.36	1.19
520-TCH2500	ECS-2100A-25.000MHZ	25.000000	1.70	1.53	1.36	1.19
520-TCH2832	ECS-2100A-28.322MHZ	28.322000	1.70	1.53	1.36	1.19
520-TCH3000	ECS-2100A-30.000MHZ	30.000000	1.70	1.53	1.36	1.19
520-TCH3200	ECS-2100A-32.000MHZ	32.000000	1.70	1.53	1.36	1.19
520-TCH3251	ECS-2100A-32.514MHZ	32.514000	1.70	1.53	1.36	1.19
520-TCH4000	ECS-2100A-40.000MHZ	40.000000	1.70	1.53	1.36	1.19
520-TCH4800	ECS-2100A-48.000MHZ	48.000000	1.70	1.53	1.36	1.19
520-TCH6400	ECS-2100A-64.000MHZ	64.000000	1.70	1.53	1.36	1.19
520-TCH6666	ECS-2100A-66.666MHZ	66.666000	1.70	1.53	1.36	1.19

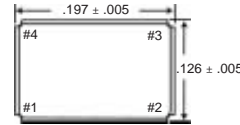
VC-TXO-35SM CLOCK OSCILLATORS

Specifications:

- Frequency Range: 12.00MHz to 26.00MHz
- Frequency Stability: ± 2.5 ppm
- Operating Temp: -30°C to $+75^{\circ}\text{C}$

Features:

- Highly stable output
- Wide temperature range
- Voltage control function



DIMENSIONS (IN.)

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
520-VCTXO35SM-128-B	ECS-VC-TXO-35SM-128-B	12.8	17.33	14.85	9.50	6.79
520-VCTXO35SM-168-B	ECS-VC-TXO-35SM-168-B	16.8	17.33	14.85	9.50	6.79
520-VCTXO35SM-194-B	ECS-VC-TXO-35SM-194-B	19.44	17.33	14.85	9.50	6.79

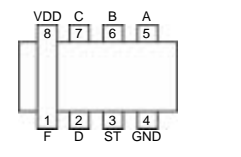
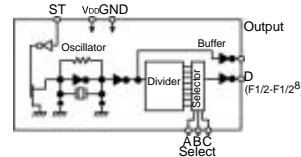
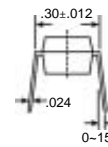
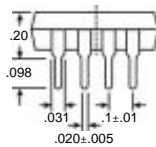
Pad Connection	
1	Vcontrol
2	GND
3	Output
4	Vcc



DUAL OUTPUT CLOCK OSCILLATORS

Specifications:

- Supply current: 20mA max. @ 25°C
- Operating temperature: -10°C to $+70^{\circ}\text{C}$
- Rise and Fall Time: 10nS typ/15nS max.
- Symmetry: 50 \pm 10%
- Input current: 35mA max.
- Output Load: 15pf or LS-TTL
- Start up time: 1.5mS
- Frequency Stability: ± 100 ppm
- Current consumption: ± 1 mA



DIMENSIONS (IN.)

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Price Each			
			1	10	100	500
520-DCO1200	ECS-300C-12.000	12.000000	3.17	2.97	2.87	2.77
520-DCO1228	ECS-300C-12.288	12.288000	3.17	2.97	2.87	2.77
520-DCO1280	ECS-300C-12.800	12.800000	3.17	2.97	2.87	2.77
520-DCO1431	ECS-300C-14.31818	14.318180	3.17	2.97	2.87	2.77
520-DCO1474	ECS-300C-14.7456	14.745600	3.17	2.97	2.87	2.77
520-DCO1600	ECS-300C-16.000	6.000000	3.17	2.97	2.87	2.77
520-DCO1638	ECS-300C-16.384	6.384000	3.17	2.97	2.87	2.77
520-DCO1773	ECS-300C-17.734475	17.734475	3.17	2.97	2.87	2.77
520-DCO1843	ECS-300C-18.432	8.432000	3.17	2.97	2.87	2.77
520-DCO1966	ECS-300C-19.6608	19.660800	3.17	2.97	2.87	2.77
520-DCO2000	ECS-300C-20.000	20.000000	3.17	2.97	2.87	2.77
520-DCO2400	ECS-300C-24.000	24.000000	3.17	2.97	2.87	2.77

Pin Connection	
1	Output
2	Dividing Ratio
3	Standby
4	GND
5	A (Programming)
6	B (Programming)
7	C (Programming)
8	V _{DD} (5V)

Input			Output		
Select	C	B	ST	F (Original Freq.)	D (Divided Waveform)
x	x	x	L	L	L
L	L	L	H	fo clock	fo 2 clock
L	L	H	H	fo clock	fo 1/2 ² clock
L	H	L	H	fo clock	fo 1/2 ² clock
L	H	H	H	fo clock	fo 1/2 ⁴ clock
H	L	L	H	fo clock	fo 1/2 ² clock
H	L	H	H	fo clock	fo 1/2 ² clock
H	H	L	H	fo clock	fo 1/2 ² clock
H	H	H	H	fo clock	fo 1/2 ² clock

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

ECS-3951M/3953M SERIES SMD CLOCK OSCILLATORS

New Industrial Grade

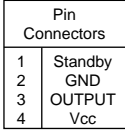
The ECS-3953M (3.3V) and ECS-3951M (5V). Series are miniature, crystal controlled, low current clock oscillators in a ceramic SMD package. Package is seam welded with a metal lid. The low profile package is ideal for today's advanced portable PC and instrumentation designs.

Features:

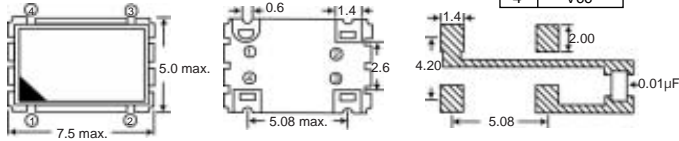
- 3.3V or 5.0V version
- Low power consumption
- Standby function

Specifications:

- Frequency range: 1.8 to 125 MHz
- Temperature range: Extended -40° to +85°
- Height: 1.6 max.



DIMENSIONS (mm)



For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Stability Tol.	Frequency (MHz)	Price Each			
				1	10	100	500
3.3 Volts Extended Temp.							
520-3953M-018-BN	ECS-3953M-018-BN	50PPM	1.843200	4.63	4.17	3.70	3.15
520-3953M-035-BN	ECS-3953M-035-BN	50PPM	3.579545	4.63	4.17	3.70	3.15
520-3953M-036-BN	ECS-3953M-036-BN	50PPM	3.686400	4.63	4.17	3.70	3.15
520-3953M-040-BN	ECS-3953M-040BN	50PPM	4.000000	4.63	4.17	3.70	3.15
520-3953M-080-BN	ECS-3953M-080-BN	50PPM	8.000000	4.63	4.17	3.70	3.15
520-3953M-100-BN	ECS-3953M-100-BN	50PPM	10.000000	4.63	4.17	3.70	3.15
520-3953M-120-BN	ECS-3953M-120-BN	50PPM	12.000000	4.63	4.17	3.70	3.15
520-3953M-160-BN	ECS-3953M-160-BN	50PPM	16.000000	4.63	4.17	3.70	3.15
520-3953M-200-BN	ECS-3953M-200-BN	50PPM	20.000000	4.63	4.17	3.70	3.15
520-3953M-240-BN	ECS-3953M-240-BN	50PPM	24.000000	4.63	4.17	3.70	3.15
520-3953M-250-BN	ECS-3953M-250-BN	50PPM	25.000000	4.63	4.17	3.70	3.15
520-3953M-320-BN	ECS-3953M-320-BN	50PPM	32.000000	4.63	4.17	3.70	3.15
520-3953M-400-BN	ECS-3953M-400-BN	50PPM	40.000000	4.63	4.17	3.70	3.15
520-3953M-500-BN	ECS-3953M-500-BN	50PPM	50.000000	4.63	4.17	3.70	3.15
520-3953M-666-BN	ECS-3953M-666-BN	50PPM	66.666000	4.63	4.17	3.70	3.15
520-3953M-800-BN	ECS-3953M-800-BN	50PPM	80.000000	4.63	4.17	3.70	3.15
520-3953M-1000-BN	ECS-3953M-1000-BN	50PPM	100.000000	4.63	4.17	3.70	3.15
520-3953M-1250-BN	ECS-3953M-1250-BN	50PPM	125.000000	4.63	4.17	3.70	3.15
5 Volts Extended Temp.							
520-3951M-018-BN	ECS-3951M-018-BN	50PPM	1.843200	4.63	4.17	3.70	3.15
520-3951M-035-BN	ECS-3951M-035-BN	50PPM	3.579545	4.63	4.17	3.70	3.15
520-3951M-036-BN	ECS-3951M-036-BN	50PPM	3.686400	4.63	4.17	3.70	3.15
520-3951M-040-BN	ECS-3951M-040-BN	50PPM	4.000000	4.63	4.17	3.70	3.15
520-3951M-080-BN	ECS-3951M-080-BN	50PPM	8.000000	4.63	4.17	3.70	3.15
520-3951M-100-BN	ECS-3951M-100-BN	50PPM	10.000000	4.63	4.17	3.70	3.15
520-3951M-120-BN	ECS-3951M-120-BN	50PPM	12.000000	4.63	4.17	3.70	3.15
520-3951M-160-BN	ECS-3951M-160-BN	50PPM	16.000000	4.63	4.17	3.70	3.15
520-3951M-200-BN	ECS-3951M-200-BN	50PPM	20.000000	4.63	4.17	3.70	3.15
520-3951M-240-BN	ECS-3951M-240-BN	50PPM	24.000000	4.63	4.17	3.70	3.15
520-3951M-250-BN	ECS-3951M-250-BN	50PPM	25.000000	4.63	4.17	3.70	3.15
520-3951M-320-BN	ECS-3951M-320-BN	50PPM	32.000000	4.63	4.17	3.70	3.15
520-3951M-400-BN	ECS-3951M-400-BN	50PPM	40.000000	4.63	4.17	3.70	3.15
520-3951M-500-BN	ECS-3951M-500-BN	50PPM	50.000000	4.63	4.17	3.70	3.15
520-3951M-666-BN	ECS-3951M-666-BN	50PPM	66.666000	4.63	4.17	3.70	3.15
520-3951M-800-BN	ECS-3951M-800-BN	50PPM	80.000000	4.63	4.17	3.70	3.15
520-3951M-1000-BN	ECS-3951M-1000-BN	50PPM	100.000000	4.63	4.17	3.70	3.15

ECS-64A SMD QUARTZ CRYSTALS

The ECX-64A are subminiature SMD crystals with 3.5 x 6mm footprint. The package height measures 1.1mm max., which is ideal for densely populated PCB applications.

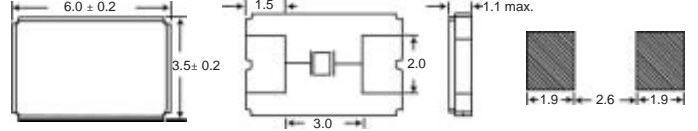
Features:

- Compact and low profile
- Glass sealed ceramic package
- Tape and Reel

Specifications:

- Stability: ±50ppm
- Extended Temp.: -40°C to +85°C

DIMENSIONS (mm)



For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Stability Tol.	Freq. (MHz)	Price Each			
				1	10	100	500
520-ECS143-20-23A-EN	ECS-143-20-23A-EN	14.318180	20pf	2.94	2.45	2.20	1.96
520-ECS143-S-23A-EN	ECS-143-S-23A-EN	14.318181	Series	2.94	2.45	2.20	1.96
520-ECS147-20-23A-EN	ECS-147.4-20-23A-EN	14.745600	20pf	2.94	2.45	2.20	1.96
520-ECS160-20-23A-EN	ECS-160-20-23A-EN	16.000000	20pf	2.94	2.45	2.20	1.96
520-ECS160-S-23A-EN	ECS-160-S-23A-EN	16.000000	Series	2.94	2.45	2.20	1.96
520-ECS184-20-23A-EN	ECS-184-20-23A-EN	18.432000	20pf	2.94	2.45	2.20	1.96
520-ECS184-S-23A-EN	ECS-184-S-23A-EN	18.432000	Series	2.94	2.45	2.20	1.96
520-ECS196-20-23A-EN	ECS-196.6-20-23A-EN	19.660800	20pf	2.94	2.45	2.20	1.96
520-ECS196-S-23A-EN	ECS-196.6-S-23A-EN	19.660800	Series	2.94	2.45	2.20	1.96
520-ECS200-20-23A-EN	ECS-200-20-23A-EN	20.000000	20pf	2.94	2.45	2.20	1.96
520-ECS200-S-23A-EN	ECS-200-S-23A-EN	20.000000	Series	2.94	2.45	2.20	1.96
520-ECS240-20-23A-EN	ECS-240-20-23A-EN	24.000000	20pf	2.94	2.45	2.20	1.96
520-ECS240-S-23A-EN	ECS-240-S-23A-EN	24.000000	Series	2.94	2.45	2.20	1.96

ECS-327SMD SMD CLOCK OSCILLATOR

The ECS-327SMD oscillator utilizes the 32.768 KHz tuning fork crystal in a SMD ceramic package. It is designed specifically for wireless PCMCIA and portable communication equipment applications.

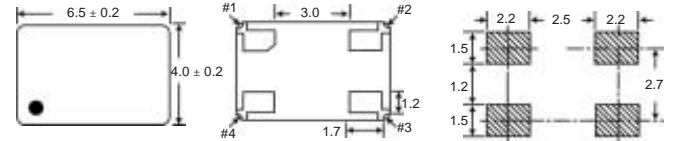
Features:

- 2.0mm low profile
- SMD version
- 3.3V input voltage
- Tape and Reel

Specifications:

- Operating Temperature: -10° to +60°
- Frequency Stability: -60ppm/-30ppm
- Height: 2.0 max.

DIMENSIONS (mm)



For quantities 1000 and up, call for quote.

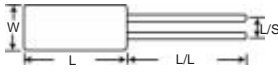
MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Voltage	Price Each			
				1	10	100	500
520-ECS-327SMD	ECS-327SMD	32.768	3.3	6.65	5.43	4.90	4.55

TUNING FORK CRYSTALS

DIMENSIONS (mm)

Specifications:

- Operating temp.: -10°C to +60°C
- Frequency tolerance: ±20ppm



For quantities 500 and up, call for quote.

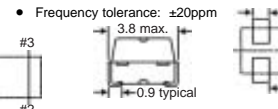
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Dimensions				Price Each		
				W	L	H	L/S	1	10	100
520-TFC2X6	ECS-.327-12.5-13	32.768 kHz	12.5	2.1	6.2	10	0.7	.78	.65	.52
520-TFC3X8	ECS-.327-12.5-8	32.768 kHz	12.5	3.1	8.2	10	1.1	.30	.27	.21
520-TFC327	ECS-.327-8-14	32.768 kHz	8	1.5	5.1	4.3	.45	2.63	2.35	1.89
520-TFC100	ECS-10-8-14	1.000000 MHz	8	1.5	5.1	4.3	.45	7.15	6.45	5.15

ECX-306 SMD TUNING FORK CRYSTAL

DIMENSIONS (mm)

Specifications:

- Operating temp.: -10°C to +60°C



For quantities 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Capacitance	Price Each		
				1	10	100
520-ECS-327-12.5-17	ECS-.327-12.5-17	32.768	12.5pf	.90	.80	.64
520-ECS-327-6-17	ECS-.327-6-17	32.768	6pf	.90	.80	.64

ECX-53 SMD QUARTZ CRYSTAL

The ECX-53 is our smallest sub miniature SMD crystals with a 3.2 x 5mm footprint. This package is ideal for today's compact wireless applications where board space is critical.

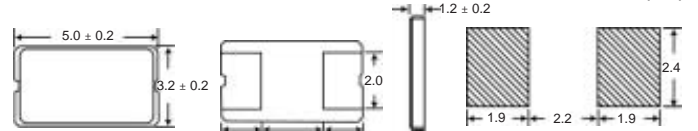
Features:

- Compact and low profile
- Glass sealed ceramic package
- Tape and Reel

Specifications:

- Frequency stability: ±50ppm
- Operating Temperature: -10° to +60°
- Storage Temperature: -40° to +85°

DIMENSIONS (mm)



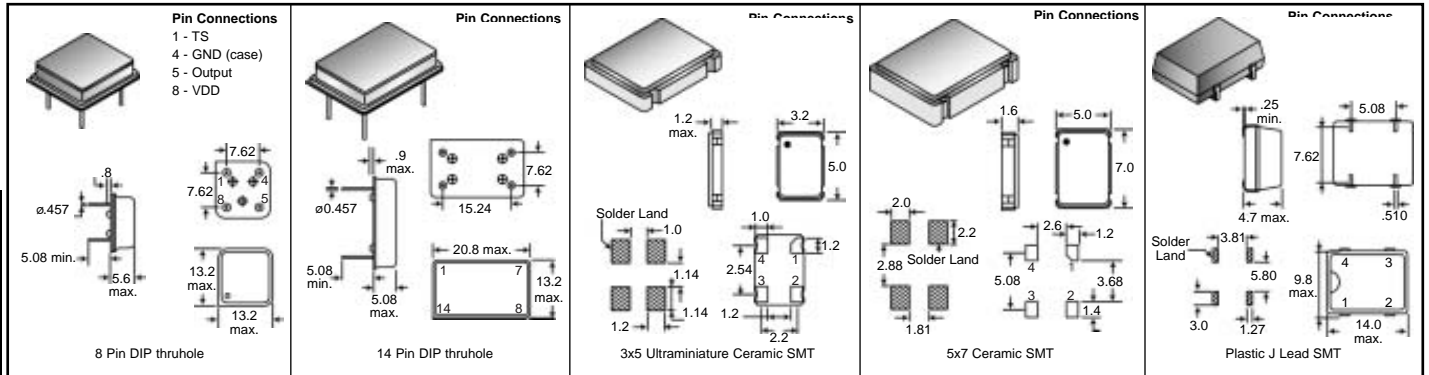
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-ECS-143-20-30	ECS-143-20-30	14.318180	20pf	2.20	1.98	1.76	1.54
520-ECS-147-20-30	ECS-147.4-20-30	14.745600	20pf	2.20	1.98	1.76	1.54
520-ECS-160-20-30	ECS-160-20-30	16.000000	20pf	2.20	1.98	1.76	1.54
520-ECS-184-20-30	ECS-184-20-30	18.432000	20pf	2.20	1.98	1.76	1.54
520-ECS-196-20-30	ECS-196.6-20-30	19.660800	20pf	2.20	1.98	1.76	1.54
520-ECS-200-20-30	ECS-200-20-30	20.000000	20pf	2.20	1.98	1.76	1.54
520-ECS-240-20-30	ECS-240-20-30	24.000000	20pf	2.20	1.98	1.76	1.54

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

FREQUENCY RANGE 1.000MHz to 107.000MHz

DIMENSIONS (mm)



Frequency Control

Eclipse

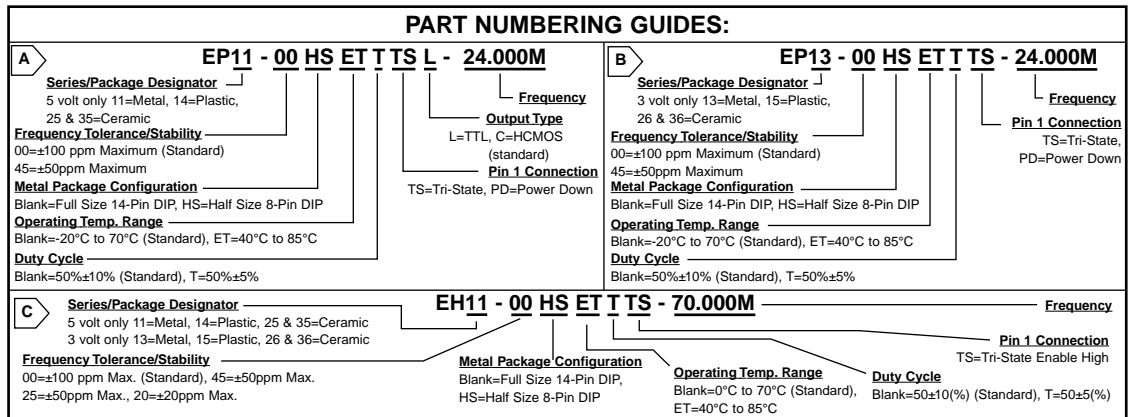
THE EP & EH SERIES OSCILLATORS HAVE VERY SHORT LEAD TIMES WITH COST EFFECTIVE PRICING. OSCILLATORS CAN BE SHIPPED IN AS LITTLE AS 1 DAY. ADDITIONALLY, THERE ARE NO MINIMUM ORDER QUANTITIES ON ANY OF THE EP & EH SERIES PRODUCT.

NON-CANCELABLE AND NON-RETURNABLE

ALL DIMENSIONS REFERENCED ARE TYPICAL UNLESS OTHERWISE SPECIFIED.

FEATURES:

- Other lead styles available upon request
- ±50 ppm and ±100 ppm, ± 20 ppm, ± 25 ppm frequency stability options
- Temperature range options: -20°C to +70°C and -40°C to +85°C
- Voltages: 5.0V and 3.3V

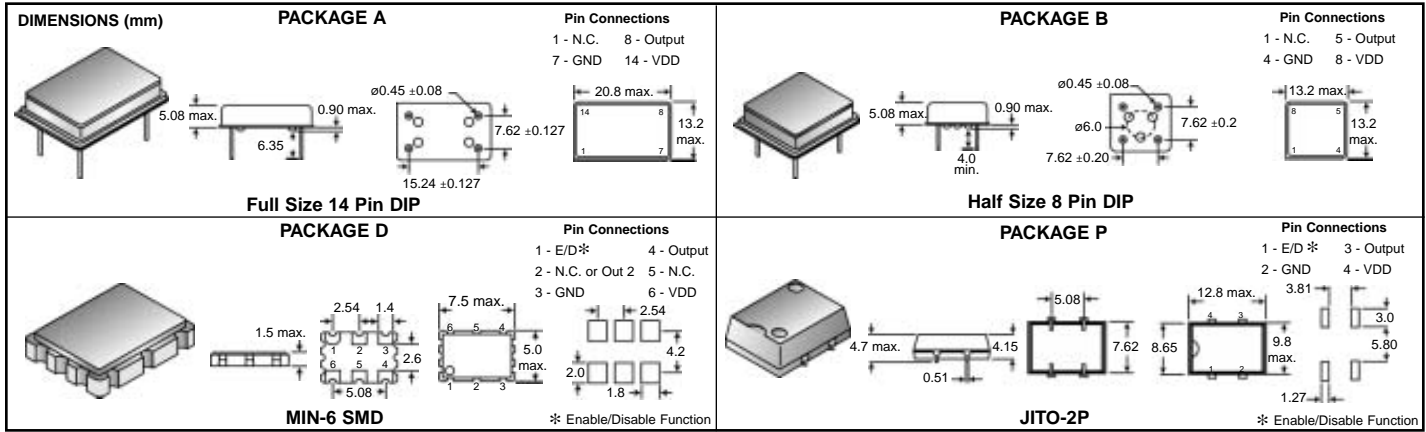


Please specify frequency range in MHZ.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Frequency Range	Part No. Guide	Package	Logic Type	Voltage	Tolerance/ Stability	Operating Temperature Range	Price Each				
								1	5	10	25	50
EP Series Programmable Oscillators												
669-EP1100	1.000 to 107.000mhz	A	14 Pin DIP thruhole	HCMOS/TTL	5.0V	100ppm	-20 to +70C	11.00	9.17	8.29	5.81	4.81
669-EP1100ET	1.000 to 107.000mhz	A	14 Pin DIP thruhole	HCMOS/TTL	5.0V	100ppm	-40 to +85C	12.08	10.07	9.13	6.38	5.29
669-EP1100HS	1.000 to 107.000mhz	A	8 Pin DIP thruhole	HCMOS/TTL	5.0V	100ppm	-20 to +70C	11.00	9.17	8.29	5.81	4.81
669-EP1100HSET	1.000 to 107.000mhz	A	8 Pin DIP thruhole	HCMOS/TTL	5.0V	100ppm	-40 to +85C	12.08	10.07	9.13	6.38	5.29
669-EP1400SJ	1.000 to 107.000mhz	A	Plastic J Lead SMT	HCMOS/TTL	5.0V	100ppm	-20 to +70C	10.58	8.82	7.03	4.91	4.21
669-EP1400SJET	1.000 to 107.000mhz	A	Plastic J Lead SMT	HCMOS/TTL	5.0V	100ppm	-40 to +85C	11.61	9.68	7.71	5.40	4.63
669-EP2500	1.000 to 107.000mhz	A	5 X 7 Ceramic SMT	HCMOS/TTL	5.0V	100ppm	-20 to +70C	11.57	9.65	7.68	5.38	4.62
669-EP2500ET	1.000 to 107.000mhz	A	5 X 7 Ceramic SMT	HCMOS/TTL	5.0V	100ppm	-40 to +85C	12.74	10.62	8.46	5.93	5.08
669-EP3500	1.000 to 107.000mhz	A	3 X 5 Ultraminiature Ceramic SMT	HCMOS/TTL	5.0V	100ppm	-20 to +70C	22.46	18.72	14.92	10.45	8.96
669-EP3500ET	1.000 to 107.000mhz	A	3 X 5 Ultraminiature Ceramic SMT	HCMOS/TTL	5.0V	100ppm	-40 to +85C	24.75	20.63	16.45	11.52	9.87
669-EP1300	1.000 to 107.000mhz	B	14 Pin DIP thruhole	HCMOS	3.3V	100ppm	-20 to +70C	11.00	9.17	8.29	5.81	4.81
669-EP1300ET	1.000 to 107.000mhz	B	14 Pin DIP thruhole	HCMOS	3.3V	100ppm	-40 to +85C	12.08	10.07	9.13	6.38	5.29
669-EP1300HS	1.000 to 107.000mhz	B	8 Pin DIP thruhole	HCMOS	3.3V	100ppm	-20 to +70C	11.00	9.17	8.29	5.81	4.81
669-EP1300HSET	1.000 to 107.000mhz	B	8 Pin DIP thruhole	HCMOS	3.3V	100ppm	-40 to +85C	12.08	10.07	9.13	6.38	5.29
669-EP1500SJ	1.000 to 107.000mhz	B	Plastic J Lead SMT	HCMOS	3.3V	100ppm	-20 to +70C	10.58	8.82	7.03	4.91	4.21
669-EP1500SJET	1.000 to 107.000mhz	B	Plastic J Lead SMT	HCMOS	3.3V	100ppm	-40 to +85C	11.61	9.68	7.71	5.40	4.63
669-EP2600	1.000 to 107.000mhz	B	5 X 7 Ceramic SMT	HCMOS	3.3V	100ppm	-20 to +70C	11.57	9.65	7.68	5.38	4.62
669-EP2600ET	1.000 to 107.000mhz	B	5 X 7 Ceramic SMT	HCMOS	3.3V	100ppm	-40 to +85C	12.74	10.62	8.46	5.93	5.08
669-EP3600	1.000 to 107.000mhz	B	3 X 5 Ultraminiature Ceramic SMT	HCMOS	3.3V	100ppm	-20 to +70C	22.46	18.72	14.92	10.45	8.96
669-EP3600ET	1.000 to 107.000mhz	B	3 X 5 Ultraminiature Ceramic SMT	HCMOS	3.3V	100ppm	-40 to +85C	24.75	20.63	16.45	11.58	9.87
EH Series Oscillators												
669-EH1100	1.000 to 107.000mhz	C	14 Pin DIP thruhole	HCMOS	5.0V	100ppm	-20 to +70C	10.89	9.08	7.77	5.45	4.19
669-EH1100ET	1.000 to 107.000mhz	C	14 Pin DIP thruhole	HCMOS	5.0V	100ppm	-40 to +85C	12.08	10.07	9.15	5.98	4.96
669-EH1100HS	1.000 to 107.000mhz	C	8 Pin DIP thruhole	HCMOS	5.0V	100ppm	-20 to +70C	10.89	9.08	7.77	5.45	4.19
669-EH1100HSET	1.000 to 107.000mhz	C	8 Pin DIP thruhole	HCMOS	5.0V	100ppm	-40 to +85C	12.08	10.07	9.15	5.98	4.96
669-EH1400SJ	1.000 to 107.000mhz	C	Plastic J Lead SMT	HCMOS	5.0V	100ppm	-20 to +70C	10.04	8.37	6.69	4.37	3.75
669-EH1400SJET	1.000 to 107.000mhz	C	Plastic J Lead SMT	HCMOS	5.0V	100ppm	-40 to +85C	11.03	9.20	7.35	4.62	4.12
669-EH2500	1.000 to 107.000mhz	C	5 X 7 Ceramic SMT	HCMOS	5.0V	100ppm	-20 to +70C	11.21	9.35	7.32	4.79	4.10
669-EH2500ET	1.000 to 107.000mhz	C	5 X 7 Ceramic SMT	HCMOS	5.0V	100ppm	-40 to +85C	12.15	10.13	8.10	5.29	4.54
669-EH3500	1.000 to 107.000mhz	C	3 X 5 Ultraminiature Ceramic SMT	HCMOS	5.0V	100ppm	-20 to +70C	19.22	16.02	12.81	8.37	7.17
669-EH3500ET	1.000 to 107.000mhz	C	3 X 5 Ultraminiature Ceramic SMT	HCMOS	5.0V	100ppm	-40 to +85C	21.29	17.75	14.19	9.27	7.95
669-EH1300	1.000 to 107.000mhz	C	14 Pin DIP thruhole	HCMOS	3.3V	100ppm	-20 to +70C	10.89	9.08	8.33	5.45	4.51
669-EH1300ET	1.000 to 107.000mhz	C	14 Pin DIP thruhole	HCMOS	3.3V	100ppm	-40 to +85C	12.08	10.07	9.15	5.98	4.96
669-EH1300HS	1.000 to 107.000mhz	C	8 Pin DIP thruhole	HCMOS	3.3V	100ppm	-20 to +70C	10.89	9.08	7.77	5.45	4.19
669-EH1300HSET	1.000 to 107.000mhz	C	8 Pin DIP thruhole	HCMOS	3.3V	100ppm	-40 to +85C	12.08	10.07	9.15	5.98	4.96
669-EH1500SJ	1.000 to 107.000mhz	C	Plastic J Lead SMT	HCMOS	3.3V	100ppm	-20 to +70C	10.04	8.37	6.69	4.37	3.75
669-EH1500SJET	1.000 to 107.000mhz	C	Plastic J Lead SMT	HCMOS	3.3V	100ppm	-40 to +85C	11.03	9.20	7.35	4.79	4.10
669-EH2600	1.000 to 107.000mhz	C	5 X 7 Ceramic SMT	HCMOS	3.3V	100ppm	-20 to +70C	11.21	9.35	7.32	4.79	4.10
669-EH2600ET	1.000 to 107.000mhz	C	5 X 7 Ceramic SMT	HCMOS	3.3V	100ppm	-40 to +85C	12.15	10.13	8.10	5.29	4.54
669-EH3600	1.000 to 107.000mhz	C	3 X 5 Ultraminiature Ceramic SMT	HCMOS	3.3V	100ppm	-20 to +70C	19.22	16.02	12.81	8.37	7.17
669-EH3600ET	1.000 to 107.000mhz	C	3 X 5 Ultraminiature Ceramic SMT	HCMOS	3.3V	100ppm	-40 to +85C	21.29	17.75	14.19	9.27	7.95

FOX Just-In-Time Custom Frequency Oscillators



The Fox JITO-2 (Just-In-Time-Oscillators) line represents Fox's latest contribution to helping buyers and engineers alike meet the increasing pressure of bringing new designs and products to market faster and more efficiently. This line of crystal oscillators cut the industry standard leadtime to just 10 working days for custom frequency oscillators; 48 hours for evaluation units in most cases.

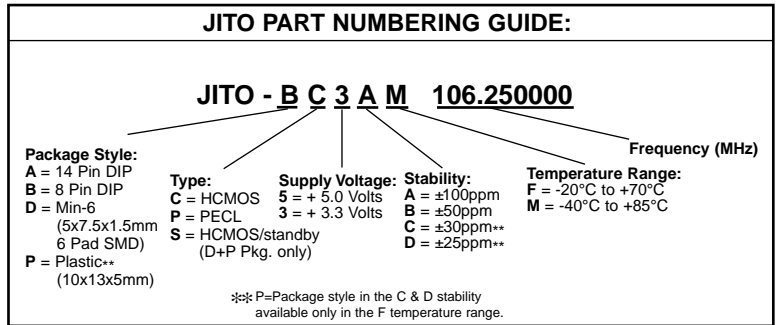
Features:

- Custom and standard frequencies from 340kHz up to 250MHz
- +/- 100ppm, +/- 50ppm, +/- 30ppm, +/- 25ppm stability
- 3.3 or 5.0 Volts; -10°C to +70°C to -40°C to +85°C operating temperature
- Both SMD and thru-hole packaging available

*** 10 Days or Less!**

Notes

- All JITO products are NON-CANCELABLE AND NON-RETURNABLE
- Orders over 100 pcs require prior customer sample approval
- For Package D, less than 250 pcs, charge \$75 for tape & reel
- For Packages A&B, ship in tubes of 25 and 40, respectively



*10 Business days or less for custom or standard frequency oscillators.

Pricing For Most Popular Part Numbers. Contact your Mouser Sales Representative for options not listed below.



FREQUENCY RANGE 340KHZ TO 125MHZ

Please specify frequency range in MHZ or KHZ.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Frequency Range	Package	Type	Voltage	Stability	Temperature Range	Price Each			
							1	25	50	100
JITO-AC3AE	000.340000 to 125.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
JITO-AC3AM	000.340000 to 125.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
JITO-AC5AE	000.340000 to 125.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
JITO-AC5AM	000.340000 to 125.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
JITO-BC3AE	000.340000 to 125.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
JITO-BC3AM	000.340000 to 125.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
JITO-BC5AE	000.340000 to 125.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
JITO-BC5AM	000.340000 to 125.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
JITO-DC3AE	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
JITO-DC3AM	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
JITO-DC5AE	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	5.28	4.34	3.37
JITO-DC5AM	000.340000 to 125.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	6.07	4.99	3.88
JITO-PC3AE	000.340000 to 125.000000	Plastic	HCMOS	+3.3	±100ppm	-10°C to +70°C	13.50	5.09	4.23	3.19
JITO-PC5AE	000.340000 to 125.000000	Plastic	HCMOS	+5.0	±100ppm	-10°C to +70°C	13.50	5.09	4.23	3.19



FREQUENCY RANGE 125MHZ - 250MHZ

Please specify frequency range in MHZ.

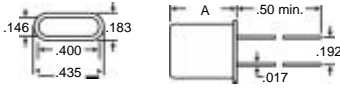
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Frequency Range	Package	Type	Voltage	Stability	Temperature Range	Price Each			
							1	25	50	100
JITO-AC3AE	125.000000 to 250.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
JITO-AC3AM	125.000000 to 250.000000	14 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
JITO-AC5AE	125.000000 to 250.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
JITO-AC5AM	125.000000 to 250.000000	14 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
JITO-BC3AE	125.000000 to 250.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
JITO-BC3AM	125.000000 to 250.000000	8 Pin DIP	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
JITO-BC5AE	125.000000 to 250.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
JITO-BC5AM	125.000000 to 250.000000	8 Pin DIP	HCMOS	+5.0	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
JITO-DC3AE	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
JITO-DC3AM	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+3.3	±100ppm	-40°C to +85°C	17.01	8.50	8.23	7.33
JITO-DC5AE	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-10°C to +70°C	14.79	7.40	7.16	6.37
JITO-DC5AM	125.000000 to 250.000000	Mini-6 SMD	HCMOS	+5.0	±100ppm	-40°C to +85°C	16.66	8.51	8.23	7.33
JITO-PC3AE	125.000000 to 250.000000	Plastic	HCMOS	+3.3	±100ppm	-10°C to +70°C	13.80	6.81	5.93	4.75
JITO-PC5AE	125.000000 to 250.000000	Plastic	HCMOS	+5.0	±100ppm	-10°C to +70°C	13.80	6.81	5.93	4.75

HC-49U CRYSTALS

- Operating temp.: -20°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 1.0-3.0mW, 0.1/5.0mW
- Maximum height: .530"

DIMENSIONS (IN.)



A = HC-49U: .530 max.
A = HC-49S: .142 max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FOX018S	1.843200	13pF	1.61	1.31	1.20
559-FOX020S	2.000000	20pF	1.61	1.31	1.20
559-FOX021S	2.097152	20pF	1.61	1.31	1.20
559-FOX024S	2.457600	32pF	.91	.74	.68
559-FOX036S	3.579545	18pF	.47	.39	.35
559-FOX0368S	3.686400	Series	.47	.39	.35
559-FOX0368-20	3.686400	20pF	.47	.39	.35
559-FOX040	4.000000	20pF	.47	.39	.35
559-FOX040A	4.000000	Series	.47	.39	.35
559-FOX041	4.194304	12pF	.47	.39	.35
559-FOX043	4.433619	20pF	.47	.39	.35
559-FOX049	4.915200	Series	.47	.39	.35
559-FOX049-20	4.915200	20pF	.47	.39	.35
559-FOX05A	5.000000	20pF	.47	.39	.35
559-FOX060	6.000000	Series	.47	.39	.35
559-FOX060-20	6.000000	20pF	.47	.39	.35
559-FOX061	6.144000	30pF	.47	.39	.35
559-FOX061-20	6.144000	20pF	.47	.39	.35
559-FOX073	7.372800	Series	.47	.39	.35
559-FOX073-20	7.372800	20pF	.47	.39	.35
559-FOX080	8.000000	Series	.47	.39	.35
559-FOX080-20	8.000000	20pF	.47	.39	.35
559-FOX081	8.192000	Series	.47	.39	.35
559-FOX081-20	8.192000	20pF	.47	.39	.35
559-FOX092	9.216000	Series	.47	.39	.35
559-FOX098	9.830400	Series	.47	.39	.35
559-FOX098-20	9.830400	20pF	.47	.39	.35
559-FOX100	10.000000	Series	.47	.39	.35
559-FOX100-20	10.000000	20pF	.47	.39	.35
559-FOX111	11.000000	Series	.47	.39	.35
559-FOX111-20	11.000000	20pF	.47	.39	.35
559-FOX115	11.059200	Series	.47	.39	.35
559-FOX115-20	11.059200	20pF	.47	.39	.35
559-FOX120	12.000000	Series	.47	.39	.35
559-FOX120-20	12.000000	20pF	.47	.39	.35
559-FOX128	12.288000	Series	.47	.39	.35
559-FOX128-20	12.288000	20pF	.47	.39	.35
559-FOX143	14.318180	Series	.42	.34	.31
559-FOX143-20	14.318180	20pF	.42	.34	.31
559-FOX160	16.000000	Series	.47	.39	.35
559-FOX160-20	16.000000	20pF	.47	.39	.35
559-FOX184	18.432000	Series	.47	.39	.35
559-FOX184-20	18.432000	20pF	.47	.39	.35
559-FOX196	19.660800	Series	.47	.39	.35
559-FOX196-20	19.660800	20pF	.47	.39	.35
559-FOX200	20.000000	Series	.47	.39	.35
559-FOX200-20	20.000000	20pF	.47	.39	.35
559-FOX221	22.118400	Series	.54	.44	.40
559-FOX221-20	22.118400	20pF	.54	.44	.40
559-FOX240F	24.000000	Series	.63	.51	.47
559-FOX240F-20	24.000000	20pF	.63	.51	.47
559-FOX245F-20	24.576000	20pF	.63	.51	.47
559-FOX250F-20	25.000000	20pF	.63	.51	.47
559-FOX320-20	32.000000	20pF	.47	.39	.35
559-FOX480-20	48.000000	20pF	.53	.43	.39
559-FOX500-20	50.000000	20pF	.53	.43	.39

FOX HC-49S CRYSTALS

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .142"

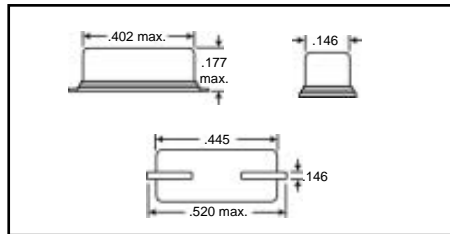
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FOX036S	3.579545	18pF	.57	.49	.43
559-FOX0368S	3.686400	Series	.57	.49	.43
559-FOX0368S-20	3.686400	20pF	.57	.49	.43
559-FOX040	4.000000	20pF	.57	.49	.43
559-FOX040A	4.000000	Series	.57	.49	.43
559-FOX0496-20	4.096000	20pF	.57	.49	.43
559-FOX041	4.194304	12pF	.57	.49	.43
559-FOX0443	4.433619	20pF	.57	.49	.43
559-FOX049	4.915200	Series	.57	.49	.43
559-FOX049-20	4.915200	20pF	.57	.49	.43
559-FOX073	7.372800	Series	.57	.49	.43
559-FOX073-20	7.372800	20pF	.57	.49	.43
559-FOX080	8.000000	Series	.57	.49	.43
559-FOX080-20	8.000000	20pF	.57	.49	.43
559-FOX081-20	8.192000	20pF	.57	.49	.43
559-FOX098	9.830400	Series	.57	.49	.43
559-FOX098-20	9.830400	20pF	.57	.49	.43
559-FOX100	10.000000	Series	.57	.49	.43
559-FOX100-20	10.000000	20pF	.57	.49	.43
559-FOX111-20	11.000000	20pF	.57	.49	.43
559-FOX115	11.059200	Series	.57	.49	.43
559-FOX115-20	11.059200	20pF	.57	.49	.43
559-FOX120	12.000000	Series	.57	.49	.43
559-FOX120-20	12.000000	20pF	.57	.49	.43
559-FOX128	12.288000	Series	.57	.49	.43
559-FOX128-20	12.288000	20pF	.57	.49	.43
559-FOX143	14.318180	Series	.48	.41	.36
559-FOX143-20	14.318180	20pF	.48	.41	.36
559-FOX147	14.745600	Series	.57	.49	.43
559-FOX147-20	14.745600	20pF	.57	.49	.43
559-FOX160	16.000000	Series	.57	.49	.43
559-FOX160-20	16.000000	20pF	.57	.49	.43
559-FOX184-20	18.432000	20pF	.57	.49	.43
559-FOX196-20	19.660800	20pF	.57	.49	.43
559-FOX200	20.000000	Series	.57	.49	.43
559-FOX200-20	20.000000	20pF	.57	.49	.43
559-FOX221-20	22.118400	20pF	.57	.49	.43
559-FOX240F	24.000000	Series	.66	.57	.49
559-FOX240F-20	24.000000	20pF	.66	.57	.49
559-FOX245F-20	24.576000	20pF	.66	.57	.49
559-FOX250F-20	25.000000	20pF	.66	.57	.49

FOX HC-49SD SMD CRYSTALS

- Operating temp.: 0°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .177"

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FOXSD036S	3.579545	18pF	.69	.59	.51
559-FOXSD0368-20	3.686400	20pF	.69	.59	.51
559-FOXSD040	4.000000	20pF	.69	.59	.51
559-FOXSD041	4.194304	12pF	.69	.59	.51
559-FOXSD0443	4.433619	20pF	.69	.59	.51
559-FOXSD049-20	4.915200	20pF	.69	.59	.51
559-FOXSD05A	5.000000	20pF	.69	.59	.51
559-FOXSD060-20	6.000000	20pF	.69	.59	.51
559-FOXSD073-20	7.372800	20pF	.69	.59	.51
559-FOXSD080-20	8.000000	20pF	.69	.59	.51
559-FOXSD081-20	8.192000	20pF	.69	.59	.51
559-FOXSD098-20	9.830400	20pF	.69	.59	.51
559-FOXSD100-20	10.000000	20pF	.69	.59	.51
559-FOXSD111-20	11.000000	20pF	.69	.59	.51

FOX HC-49SD SMD CRYSTALS (cont.)

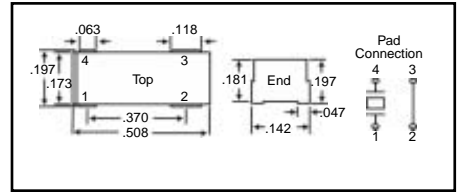
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FOXSD115-20	11.059200	20pF	.69	.59	.51
559-FOXSD120-20	12.000000	20pF	.69	.59	.51
559-FOXSD128-20	12.288000	20pF	.69	.59	.51
559-FOXSD143-20	14.318180	20pF	.69	.59	.51
559-FOXSD147-20	14.745600	20pF	.69	.59	.51
559-FOXSD160-20	16.000000	20pF	.69	.59	.51
559-FOXSD184-20	18.432000	20pF	.69	.59	.51
559-FOXSD196-20	19.660800	20pF	.69	.59	.51
559-FOXSD200-20	20.000000	20pF	.69	.59	.51
559-FOXSD221-20	22.118400	20pF	.69	.59	.51
559-FOXSD240F-20	24.000000	20pF	.78	.67	.58
559-FOXSD245F-20	24.576000	20pF	.78	.67	.58
559-FOXSD250F-20	25.000000	20pF	.78	.67	.58
559-FOXSD320-20	32.000000	20pF	.74	.64	.55
559-FOXSD480-20	48.000000	20pF	.74	.64	.55
559-FOXSD500-20	50.000000	20pF	.74	.64	.55
559-FOXSD564-18	56.448000	18pF	.88	.76	.66
559-FOXSD600-20	60.000000	20pF	.88	.76	.66
559-FOXSD640-20	64.000000	20pF	.99	.85	.74

FOX ENCAPSULATED SMD CRYSTALS

- Operating temp.: -10°C to +70°C
- Frequency tolerance: ±50PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .197"

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FPX036S	3.579545	18pF	1.66	1.55	1.50
559-FPX0368S	3.686400	Series	1.66	1.55	1.50
559-FPX0368-20	3.686400	20pF	1.66	1.55	1.50
559-FPX040	4.000000	20pF	1.66	1.55	1.50
559-FPX040A	4.000000	Series	1.66	1.55	1.50
559-FPX049	4.915200	Series	1.66	1.55	1.50
559-FPX049-20	4.915200	20pF	1.66	1.55	1.50
559-FPX073	7.372800	Series	1.66	1.55	1.50
559-FPX073-20	7.372800	20pF	1.66	1.55	1.50
559-FPX080	8.000000	Series	1.66	1.55	1.50
559-FPX080-20	8.000000	20pF	1.66	1.55	1.50
559-FPX081-20	8.192000	20pF	1.66	1.55	1.50
559-FPX098-20	9.830400	20pF	1.66	1.55	1.50
559-FPX100	10.000000	Series	1.66	1.55	1.50
559-FPX100-20	10.000000	20pF	1.66	1.55	1.50
559-FPX111-20	11.000000	20pF	1.66	1.55	1.50
559-FPX115	11.059200	Series	1.66	1.55	1.50
559-FPX115-20	11.059200	20pF	1.66	1.55	1.50
559-FPX120	12.000000	Series	1.66	1.55	1.50
559-FPX120-20	12.000000	20pF	1.66	1.55	1.50
559-FPX128	12.288000	Series	1.66	1.55	1.50
559-FPX128-20	12.288000	20pF	1.66	1.55	1.50
559-FPX143	14.318180	Series	1.66	1.55	1.50
559-FPX143-20	14.318180	20pF	1.66	1.55	1.50
559-FPX147	14.745600	Series	1.66	1.55	1.50
559-FPX147-20	14.745600	20pF	1.66	1.55	1.50
559-FPX160	16.000000	Series	1.66	1.55	1.50
559-FPX160-20	16.0000				

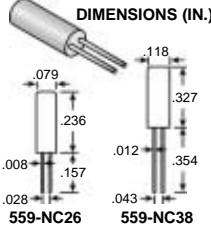


FOX Oscillators and Crystals



TUNING FORK WATCH CRYSTALS

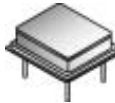
- Frequency tolerance: ±20PPM
- Load capacitance: 12.5pF
- Equivalent series resistance:
 - 559-NC26 30k/50kΩ (typ./max.)
 - 559-NC38 18k/35kΩ (typ./max.)
- Insulation resistance: 100MΩ
- Drive level: 1.0µW
- Aging: ±3PPM/year @ 25°C
- Operating temperature: -10°C to +60°C
- Storage temperature: -20°C to +70°C



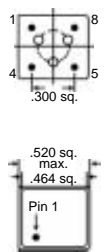
MOUSER STOCK NO.	Frequency (KHz)	Price Each		
		1	10	100
559-NC26	32.768000	.63	.53	.45
559-NC38	32.768000	.63	.53	.45

HALF SIZE HIGH SPEED CMOS TRI-STATE OSCILLATORS

- Operating temp.: -10°C to +70°C (H5C2), 0°C to +70°C (H5C2E)
- Output symmetry: 45%/55% (min./max.)
- Storage temp.: -55°C to +125°C
- Supply volt.: 5.0VDC ±0.5
- Frequency stability: ±100PPM



DIMENSIONS (IN.)



- Pin Connections:
- 1 - E/D *
 - 4 - GND (Case) * Enable/Disable Function
 - 5 - Output
 - 8 - +5VDC

For quantities greater than listed, call for quote.

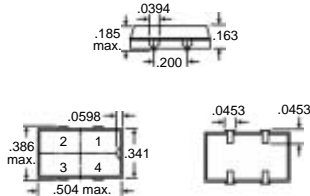
MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-H5C2E-368	3.686400	1.93	1.76	1.60
559-H5C2E-800	8.000000	1.93	1.76	1.60
559-H5C2E-1600	16.000000	1.93	1.76	1.60
559-H5C2E-2000	20.000000	1.93	1.76	1.60
559-H5C2E-2500	25.000000	1.93	1.76	1.60
559-H5C2E-3200	32.000000	1.93	1.76	1.60
559-H5C2E-4000	40.000000	1.93	1.76	1.60
559-H5C2E-5000	50.000000	1.93	1.76	1.60

HIGH SPEED SMD CMOS/TTL OSCILLATORS

- Operating temp.: -10°C to +70°C
- Output symmetry: F502/2H - 40%/60% (min./max.), F3160 - 45%/55% (min./max.), KFO series - 1.544-50.0MHz, 45%/55% (min./max.), KFO series - 50.0-67.0MHz, 40%/60% (min./max.)
- Storage temp.: -55°C to +125°C
- Supply volt.: 5.0VDC ±0.5
- Frequency stability: ±100PPM

- Pin Connections:
- 1 - Enable/Disable
 - 2 - GND
 - 3 - Output
 - 4 - +5VDC

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

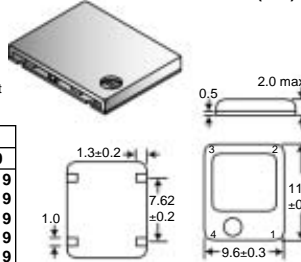
MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-KFO-184	1.843200	2.54	2.39	2.31
559-KFO-200	2.000000	2.54	2.39	2.31
559-KFO-400	4.000000	2.54	2.39	2.31
559-KFO-800	8.000000	2.54	2.39	2.31
559-KFO-1000	10.000000	2.54	2.39	2.31
559-KFO-1200	12.000000	2.54	2.39	2.31
559-KFO-1431	14.318180	2.54	2.39	2.31
559-KFO-1600	16.000000	2.54	2.39	2.31
559-KFO-2000	20.000000	2.54	2.39	2.31
559-KFO-3200	32.000000	2.54	2.39	2.31
559-KFO-4000	40.000000	2.64	2.48	2.39
559-KFO-4800	48.000000	2.64	2.48	2.39
559-KFO-5000	50.000000	2.64	2.48	2.39
559-KFO-6000	60.000000	3.01	2.82	2.73
559-KFO-6400	64.000000	3.01	2.82	2.73
559-KFO-6666	66.666700	3.01	2.82	2.73

TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR (TCXO)

These SMD TCXOs are suitable for a variety of cost effective applications which require excellent frequency stability.

- Operating temp.: -30°C to +75°C
- Output load: 10KΩ, 10pF
- Storage temp.: -35°C to +80°C
- Supply volt.: +2.85 (min.) +3.15 (max.)
- Frequency stability: over temperature range: ±2.5PPM over supply voltage change: ±0.3PPM over load change: ±0.3PPM
- Aging: ±0.8PPM/year @ 25°C
- Input current: 2.0mA

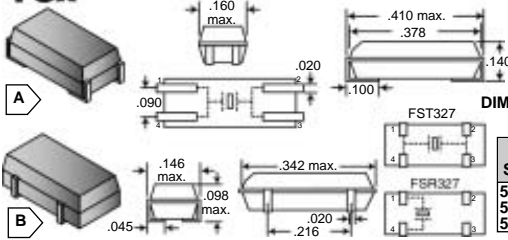
DIMENSIONS (mm)



MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-FOX801BE-1000	10.000000	13.46	12.62	12.19
559-FOX801BE-1280	12.800000	13.46	12.62	12.19
559-FOX801BE-1440	14.400000	13.46	12.62	12.19
559-FOX801BE-1600	16.000000	13.46	12.62	12.19
559-FOX801BE-1920	19.200000	13.46	12.62	12.19

Catalog #614, May - July 2003
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SMD TUNING FORK WATCH CRYSTALS



- For applications that require the watch frequency (32.76 kHz).
- Sturdy thermoplastic housing
- 2.5mm height max.
- Operating temp.: -40°C to +85°C
- Frequency tolerance: ±20PPM

For quantities greater than listed, call for quote.

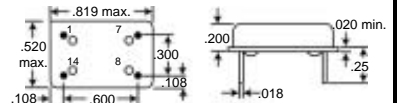
MOUSER STOCK NO.	Fig.	Frequency (kHz)	Price Each		
			1	10	100
559-FSM327	A	32.768000	1.14	1.07	1.04
559-FST327	B	32.768000	.83	.78	.75
559-FSR327	B	32.768000	1.00	.95	.91

FULL SIZE TTL CLOCK OSCILLATORS

- Operating temp.: 0°C to +70°C
- Storage temp.: -55°C to +125°C
- Supply volt.: 5.0VDC ±0.5
- Output symmetry: 1.000 to 7.999 = 45%/55% (min/max), 8.000 to 100.000 = 40%/60% (min/max)
- Frequency Stability: ±100PPM

- Pin Connections:
- 1 - N.C
 - 8 - Output
 - 7 - GND (Case)
 - 14 - +5VDC

DIMENSIONS (IN.)



MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F1100E-184	1.843200	1.58	1.44	1.31
559-F1100E-245	2.457600	1.58	1.44	1.31
559-F1100E-368	3.686400	1.58	1.44	1.31
559-F1100E-400	4.000000	1.58	1.44	1.31
559-F1100E-737	7.372800	1.58	1.44	1.31
559-F1100E-800	8.000000	1.58	1.44	1.31
559-F1100E-1000	10.000000	1.58	1.44	1.31
559-F1100E-1105	11.059200	1.58	1.44	1.31
559-F1100E-1200	12.000000	1.58	1.44	1.31
559-F1100E-1431	14.318180	1.58	1.44	1.31

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F1100E-1474	14.745600	1.58	1.44	1.31
559-F1100E-1600	16.000000	1.58	1.44	1.31
559-F1100E-2000	20.000000	1.58	1.44	1.31
559-F1100E-2400	24.000000	1.58	1.44	1.31
559-F1100E-2500	25.000000	1.58	1.44	1.31
559-F1100E-3200	32.000000	1.58	1.44	1.31
559-F1100E-4000	40.000000	1.58	1.44	1.31
559-F1100E-4800	48.000000	1.58	1.44	1.31
559-F1100E-5000	50.000000	1.58	1.44	1.31
559-F1100E-6400	64.000000	1.89	1.73	1.57
559-F1100E-8000	80.000000	2.84	2.59	2.35

MINI SMD HCMOS OSCILLATORS

- Sealed ceramic package
- For applications such as portable computers and peripherals, telecommunication devices and instrumentation.
- Operating temp.: -10°C to +70°C
- Frequency stability: ±100PPM

Pin Connections:

- 1 - E/D *
- 2 - GND
- 3 - Output
- 4 - +5VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F3345-184	1.843200	4.51	4.23	4.09
559-F3345-1431	14.318118	4.51	4.23	4.09
559-F3345-2400	24.000000	4.51	4.23	4.09
559-F3345-2500	25.000000	4.51	4.23	4.09
559-F3345-3200	32.000000	4.51	4.23	4.09
559-F3345-4000	40.000000	4.51	4.23	4.09
559-F3345-5000	50.000000	4.67	4.38	4.23
559-F3345-6400	64.000000	5.44	4.94	4.77

SMD HCMOS 3.3V CLOCK OSCILLATORS

- Operating temp.: -10°C to +70°C
- Output symmetry: 1.544 to 50.000 = 45%/55% (min/max), 50.000 to 106.25 = 40%/60% (min/max)
- Storage temp.: -55°C to +125°C
- Supply volt.: 3.3VDC ±1%
- Frequency Stability: ±100PPM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F4100-184	1.843200	4.69	4.40	4.25
559-F4100-1000	10.000000	4.69	4.40	4.25
559-F4100-1431	14.318180	4.69	4.40	4.25
559-F4100-1600	16.000000	4.69	4.40	4.25
559-F4100-2000	20.000000	4.69	4.40	4.25
559-F4100-2500	25.000000	4.69	4.40	4.25
559-F4100-3200	32.000000	4.69	4.40	4.25
559-F4100-3333	33.333000	4.69	4.40	4.25
559-F4100-4000	40.000000	4.69	4.40	4.25
559-F4100-5000	50.000000	4.83	4.53	4.38
559-F4100-6666	66.666700	5.44	5.10	4.93

VOLTAGE CONTROLLED CRYSTAL OSCILLATOR (VCXO)

These SMD VCXOs are a tight stability, voltage controlled oscillator that is available in a wide range of stability and pullability options. It was designed to be a general purpose VCXO with minimum utilization of board space.

- Operating temp.: -10°C to +70°C
- Output load: HCMOS -15pF
- Storage temp.: -40°C to +85°C
- Supply volt.: ±3.0 (min.), ±3.6 (max.)
- Frequency stability: ±50PPM
- Control volt.: +0.15V (min.), +3.15V (max.)
- Input current: 1.0-30MHz - 15mA, 30.0-45.0MHz - 25mA

- Pin Connections:
- 1 - Vcont
 - 2 - E/D
 - 3 - GND
 - 4 - Output
 - 5 - N.C
 - 6 - VDD

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-VCS25AXT-409	4.096000	8.99	8.43	8.15
559-VCS25AXT-819	8.192000	8.99	8.43	8.15
559-VCS25AXT-1228	12.288000	8.99	8.43	8.15
559-VCS25AXT-1638	16.384000	7.12	6.68	6.45
559-VCS25AXT-2700	27.000000	7.12	6.68	6.45
559-VCS25AXT-4473	44.736000	7.55	7.08	6.84

Vishay Microprocessor and Tuning Fork Watch Crystals



VISHAY MODEL XT49U

- Operating temp.: -20°C to +70°C
- Frequency tolerance: ±50ppm @ 25°C
- Temperature stability: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 10µW to 5mW
- Seal: resistance weld

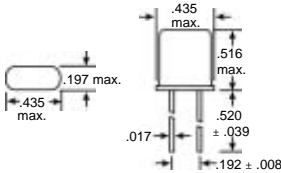
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49U400-S	4.000000	Series	.53	.44	.40
73-XT49U400-20	4.000000	20pF	.53	.44	.40
73-XT49U409-20	4.096000	20pF	.53	.44	.40
73-XT49U443-20	4.433619	20pF	.53	.44	.40
73-XT49U491-S	4.915200	Series	.53	.44	.40
73-XT49U491-20	4.915200	20pF	.53	.44	.40
73-XT49U500-20	5.000000	20pF	.53	.44	.40
73-XT49U506-S	5.068800	Series	.53	.44	.40
73-XT49U506-20	5.068800	20pF	.53	.44	.40
73-XT49U600-S	6.000000	Series	.53	.44	.40
73-XT49U600-20	6.000000	20pF	.53	.44	.40
73-XT49U737-S	7.372800	Series	.53	.44	.40
73-XT49U737-20	7.372800	20pF	.53	.44	.40
73-XT49U800-S	8.000000	Series	.53	.44	.40
73-XT49U800-20	8.000000	20pF	.53	.44	.40
73-XT49U819-20	8.192000	20pF	.53	.44	.40
73-XT49U921-S	9.216000	Series	.53	.44	.40
73-XT49U921-20	9.216000	20pF	.53	.44	.40
73-XT49U983-20	9.830400	20pF	.53	.44	.40
73-XT49U1000-S	10.000000	Series	.53	.44	.40
73-XT49U1000-20	10.000000	20pF	.53	.44	.40

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49U1100-S	11.000000	Series	.53	.44	.40
73-XT49U1105-S	11.059200	Series	.53	.44	.40
73-XT49U1105-20	11.059200	20pF	.53	.44	.40
73-XT49U1200-S	12.000000	Series	.53	.44	.40
73-XT49U1200-20	12.000000	20pF	.53	.44	.40
73-XT49U1228-S	12.288000	Series	.53	.44	.40
73-XT49U1228-20	12.288000	20pF	.53	.44	.40
73-XT49U1431-S	14.318180	Series	.53	.44	.40
73-XT49U1431-20	14.318180	20pF	.53	.44	.40
73-XT49U1474-S	14.745600	Series	.54	.45	.41
73-XT49U1474-20	14.745600	20pF	.54	.45	.41
73-XT49U1600-20	16.000000	20pF	.54	.45	.41
73-XT49U1843-S	18.432000	Series	.54	.45	.41
73-XT49U1966-S	19.660800	Series	.54	.45	.41
73-XT49U1966-20	19.660800	20pF	.54	.45	.41
73-XT49U2000-S	20.000000	Series	.54	.45	.41
73-XT49U2000-20	20.000000	20pF	.54	.45	.41
73-XT49U211-S	22.118400	Series	.54	.45	.41
73-XT49U211-20	22.118400	20pF	.54	.45	.41
73-XT49U2400-S	24.000000	Series	.73	.61	.55
73-XT49U2400-20	24.000000	20pF	.73	.61	.55

DIMENSIONS (IN.)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49U357-S	3.579545	Series	.53	.44	.40
73-XT49U357-20	3.579545	20pF	.53	.44	.40
73-XT49U368-S	3.686400	Series	.53	.44	.40
73-XT49U368-20	3.686400	20pF	.53	.44	.40

Vishay Frequency Control

VISHAY MODEL XT49S

- Operating temp.: -20°C to +70°C
- Frequency tolerance: ±50ppm @ 25°C
- Temperature stability: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 20µW to 5mW
- Seal: resistance weld

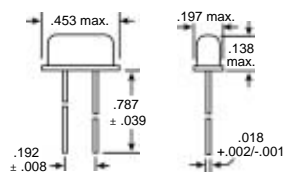
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49S357-S	3.579545	Series	.64	.53	.48
73-XT49S357-20	3.579545	20pF	.64	.53	.48
73-XT49S368-S	3.686400	Series	.64	.53	.48
73-XT49S368-20	3.686400	20pF	.64	.53	.48
73-XT49S400-S	4.000000	Series	.64	.53	.48
73-XT49S400-20	4.000000	20pF	.64	.53	.48
73-XT49S409-20	4.096000	20pF	.64	.53	.48
73-XT49S443-20	4.433619	20pF	.64	.53	.48
73-XT49S491-20	4.915200	20pF	.64	.53	.48
73-XT49S737-S	7.372800	Series	.64	.53	.48
73-XT49S737-20	7.372800	20pF	.64	.53	.48
73-XT49S800-S	8.000000	Series	.64	.53	.48
73-XT49S800-20	8.000000	20pF	.64	.53	.48
73-XT49S1000-S	10.000000	Series	.64	.53	.48

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49S1000-20	10.000000	20pF	.64	.53	.48
73-XT49S1105-S	11.059200	Series	.64	.53	.48
73-XT49S1105-20	11.059200	20pF	.64	.53	.48
73-XT49S1200-S	12.000000	Series	.64	.53	.48
73-XT49S1200-20	12.000000	20pF	.64	.53	.48
73-XT49S1228-20	12.288000	20pF	.64	.53	.48
73-XT49S1431-S	14.318180	Series	.64	.53	.48
73-XT49S1431-20	14.318180	20pF	.64	.53	.48
73-XT49S1474-20	14.745600	20pF	.64	.53	.48
73-XT49S1600-S	16.000000	Series	.64	.53	.48
73-XT49S1600-20	16.000000	20pF	.64	.53	.48
73-XT49S2000-S	20.000000	Series	.64	.53	.48
73-XT49S2000-20	20.000000	20pF	.64	.53	.48
73-XT49S2400-S	24.000000	Series	.64	.53	.48
73-XT49S2400-20	24.000000	20pF	.64	.53	.48

DIMENSIONS (IN.)



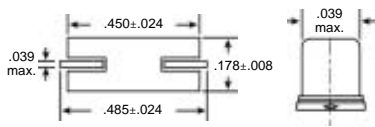
VISHAY MODEL XT49M SURFACE MOUNT DEVICE

- Operating temp.: 0°C to +70°C
- Frequency tolerance: ±50ppm
- Temperature stability: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 20mW to 5mW
- Seal: resistance weld
- Low profile
- Hermetically sealed

For quantities greater than listed, call for quote.

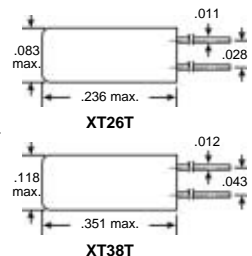
MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49M368-S	3.686400	Series	.82	.68	.62
73-XT49M368-20	3.686400	20pF	.82	.68	.62
73-XT49M400-20	4.000000	20pF	.82	.68	.62
73-XT49M409-20	4.096000	20pF	.82	.68	.62
73-XT49M491-S	4.915200	Series	.82	.68	.62
73-XT49M500-20	5.000000	20pF	.82	.68	.62
73-XT49M737-20	7.372800	20pF	.82	.68	.62
73-XT49M800-S	8.000000	Series	.82	.68	.62
73-XT49M1000-S	10.000000	Series	.82	.68	.62
73-XT49M1105-S	11.059200	Series	.82	.68	.62
73-XT49M1105-20	11.059200	20pF	.82	.68	.62
73-XT49M1200-S	12.000000	Series	.82	.68	.62
73-XT49M1431-S	14.318180	Series	.82	.68	.62
73-XT49M1474-20	14.745600	20pF	.82	.68	.62
73-XT49M1600-S	16.000000	Series	.82	.68	.62
73-XT49M1600-20	16.000000	20pF	.82	.68	.62
73-XT49M2000-20	20.000000	20pF	.82	.68	.62
73-XT49M2400-20	24.000000	20pF	.90	.75	.68

DIMENSIONS (IN.)



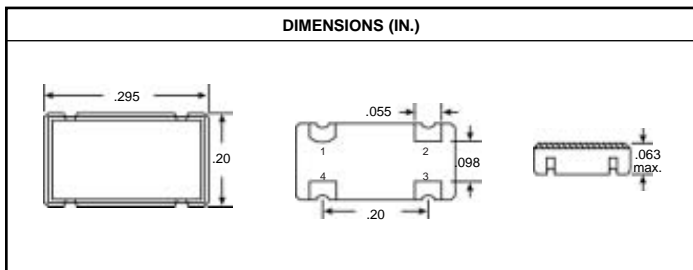
VISHAY TUNING FORK WATCH CRYSTALS

- Operating temperature: -10°C to +60°C
- Frequency tolerance: ±20ppm
- Load capacitance: 12.5pF
- Drive level: 1.0mW max.



MOUSER STOCK NO.	Frequency (KHz)	Price Each		
		1	10	100
73-XT26T	32.768000	.37	.31	.25
73-XT38T	32.768000	.37	.31	.25

SMD 3.0V (HCMOS/TTL)



Specifications:

- Frequency stability: 100ppm
- Operating temperature: 0°C to +70°C
- Input voltage: +3.3V / ±0.5V
- Enable Input Voltage 2.0V minimum
- Disable Input Voltage 0.5V maximum

- Symmetry: 1.5 to 7.999 MHz 48/52
8.0 to 40.000 MHz 45/55
40.001 to 70.0MHz 40/60

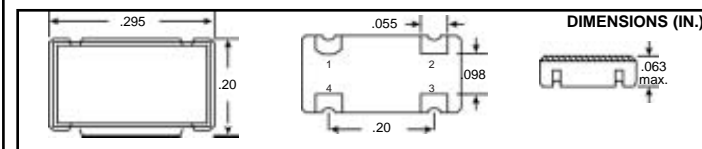
Pin	Connection
1	Enable/Disable
2	Ground
3	Output
4	+3.3VDC

XOSM573BE Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XOSM573BE184	1.843200	15	8	4.56	4.15	3.77
73-XOSM573BE1000	10.000000	25	8	4.56	4.15	3.77
73-XOSM573BE1431	14.318180	25	8	4.56	4.15	3.77
73-XOSM573BE1600	16.000000	25	8	4.56	4.15	3.77
73-XOSM573BE2000	20.000000	25	8	4.56	4.15	3.77
73-XOSM573BE2500	25.000000	25	8	4.56	4.15	3.77
73-XOSM573BE3200	32.000000	25	8	4.56	4.15	3.77
73-XOSM573BE4000	40.000000	25	8	4.56	4.15	3.77
73-XOSM573BE5000	50.000000	50	8	4.56	4.15	3.77

SMD 5.0V (HCMOS/TTL)



Specifications:

- Frequency stability: 100ppm
- Operating temperature: 0°C to +70°C
- Input voltage: +5.0V / ±0.5V
- Enable Input Voltage 4.0V minimum
- Disable Input Voltage 0.8V maximum

- Symmetry: 1.5 to 7.999 MHz 48/52
8.0 to 40.000 MHz 45/55
40.001 to 70.0MHz 40/60

Pin	Connection
1	Enable/Disable
2	Ground
3	Output
4	+5VDC

XOSM57BE Series

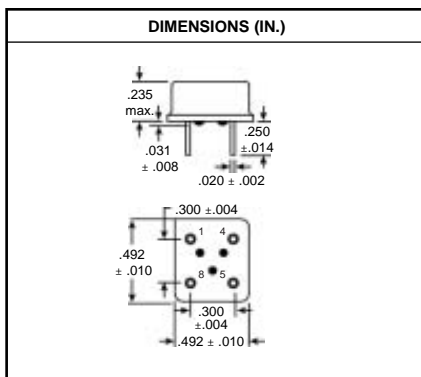
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XOSM57BE-184	1.843200	15	8	4.56	4.15	3.77
73-XOSM57BE368	3.686400	15	8	4.56	4.15	3.77
73-XOSM57BE400	4.000000	15	8	4.56	4.15	3.77
73-XOSM57BE491	4.915200	15	8	4.56	4.15	3.77
73-XOSM57BE500	5.000000	15	8	4.56	4.15	3.77
73-XOSM57BE737	7.372800	15	8	4.56	4.15	3.77
73-XOSM57BE800	8.000000	25	8	4.56	4.15	3.77
73-XOSM57BE1200	12.000000	25	8	4.56	4.15	3.77
73-XOSM57BE1431	14.318180	25	8	4.56	4.15	3.77
73-XOSM57BE1600	16.000000	25	8	4.56	4.15	3.77
73-XOSM57BE2000	20.000000	25	8	4.56	4.15	3.77
73-XOSM57BE2400	24.000000	25	8	4.56	4.15	3.77
73-XOSM57BE2500	25.000000	25	8	4.56	4.15	3.77
73-XOSM57BE3200	32.000000	25	8	4.56	4.15	3.77
73-XOSM57BE4000	40.000000	25	8	4.56	4.15	3.77
73-XOSM57BE5000	50.000000	50	8	4.56	4.15	3.77

HALF SIZE 5.0V (HCMOS/TTL)

Specifications:

- Frequency stability: 100ppm
- Operating temperature: 0°C to +70°C
- Input voltage: +5V / ±0.5V
- Symmetry: 1.0 to 7.999 MHz 48/52
8.0 to 50.000MHz 45/55
- Hermetically sealed package
- Output load: 50pF or 10 TTL
Loads from 1.0 to 40.0MHz, 15pF or 10 TTL
Loads 40.1 to 100MHz



Pin	Connection
1	N.C.
4	Ground
5	Output
8	+5VDC

XO52B Series

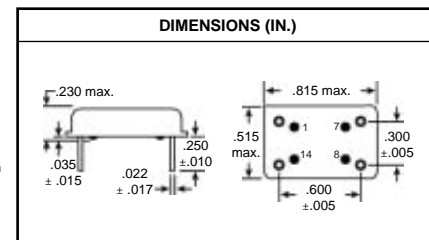
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XO52B100	1.000000	15	10	2.24	2.04	1.85
73-XO52B184	1.843200	15	10	2.24	2.04	1.85
73-XO52B245	2.457600	15	10	2.24	2.04	1.85
73-XO52B368	3.686400	15	10	2.24	2.04	1.85
73-XO52B400	4.000000	15	10	2.24	2.04	1.85
73-XO52B491	4.915200	15	10	2.24	2.04	1.85
73-XO52B500	5.000000	15	10	2.24	2.04	1.85
73-XO52B800	8.000000	25	10	2.24	2.04	1.85
73-XO52B1000	10.000000	25	10	2.24	2.04	1.85
73-XO52B1200	12.000000	25	10	2.24	2.04	1.85
73-XO52B1431	14.318180	25	10	2.24	2.04	1.85
73-XO52B1600	16.000000	25	10	2.24	2.04	1.85
73-XO52B2000	20.000000	25	10	2.24	2.04	1.85
73-XO52B2400	24.000000	25	10	2.24	2.04	1.85
73-XO52B2500	25.000000	25	10	2.24	2.04	1.85
73-XO52B3200	32.000000	25	10	2.24	2.04	1.85
73-XO52B4000	40.000000	25	10	2.24	2.04	1.85
73-XO52B5000	50.000000	25	10	2.24	2.04	1.85

FULL SIZE 5.0V (HCMOS/TTL)

Specifications:

- Frequency tolerance: 100ppm
- Operating temperature: 0°C to +70°C
- Input voltage: +5V / ±0.5V
- Symmetry: 1.0 to 7.999MHz 48/52 8.0 to 50.000MHz 45/55
- Hermetically sealed package
- Output load: 50pF or 10 TTL, Loads from 1.0 to 40.0MHz, 15pF or 10 TTL, Loads 40.1 to 100MHz



Pin	Connection
1	N.C.
7	Ground
8	Output
14	+5VDC

XO54B Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XO54B100	1.000000	15	10	2.24	2.04	1.85
73-XO54B184	1.843200	15	10	2.24	2.04	1.85
73-XO54B368	3.686400	15	10	2.24	2.04	1.85
73-XO54B400	4.000000	15	10	2.24	2.04	1.85
73-XO54B491	4.915200	20	10	2.24	2.04	1.85
73-XO54B500	5.000000	20	10	2.24	2.04	1.85
73-XO54B800	8.000000	20	10	2.24	2.04	1.85
73-XO54B1000	10.000000	20	10	2.24	2.04	1.85
73-XO54B1105	11.059200	20	10	2.24	2.04	1.85
73-XO54B1600	16.000000	20	10	2.24	2.04	1.85
73-XO54B2000	20.000000	20	10	2.24	2.04	1.85
73-XO54B2400	24.000000	20	10	2.24	2.04	1.85
73-XO54B2500	25.000000	20	10	2.24	2.04	1.85
73-XO54B3200	32.000000	20	10	2.24	2.04	1.85
73-XO54B4000	40.000000	20	10	2.24	2.04	1.85
73-XO54B5000	50.000000	20	10	2.24	2.04	1.85

XO53B Series

For quantities greater than listed, call for quote.

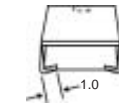
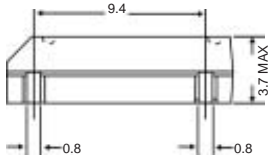
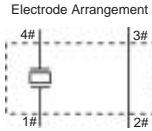
MOUSER STOCK NO.	Frequency (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
				1	10	100
73-XO53B100	1.000000	10	5	2.24	2.04	1.85
73-XO53B491	4.915200	10	5	2.24	2.04	1.85
73-XO53B500	5.000000	10	5	2.24	2.04	1.85
73-XO53B737	7.372800	10	5	2.24	2.04	1.85
73-XO53B983	9.830400	20	5	2.24	2.04	1.85
73-XO53B1000	10.000000	20	5	2.24	2.04	1.85
73-XO53B1105	11.059200	20	5	2.24	2.04	1.85
73-XO53B4000	40.000000	20	5	2.24	2.04	1.85

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CITIZEN CM309S SERIES SMD CRYSTALS

Specifications:

- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 3.5 MHz to 34 MHz (Fund): 27 MHz to 70 MHz (3rd OT)
- Frequency Tolerance: ±30ppm or ±50ppm
- Load Capacitance: 16.0pF TYP.
- Drive Level: 100 µW



DIMENSIONS (mm)

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CM309S-357	CM309S3.579545MABJTR	3.579545	1.05	.86	.75	.68	.54	.48
695-CM309S-368	CM309S3.6864MABJTR	3.686400	1.05	.86	.75	.68	.54	.48
695-CM309S-4	CM309S4.000MABJTR	4.000000	1.05	.86	.75	.68	.54	.48
695-CM309S-491	CM309S4.9152MABJTR	4.915200	1.05	.86	.75	.68	.54	.48
695-CM309S-737	CM309S7.3728MABJTR	7.372800	1.05	.86	.75	.68	.54	.48
695-CM309S-8	CM309S8.000MABJTR	8.000000	1.05	.86	.75	.68	.54	.48
695-CM309S-819	CM309S8.1920MABJTR	8.192000	1.05	.86	.75	.68	.54	.48
695-CM309S-10	CM309S10.000MABJTR	10.000000	1.05	.86	.75	.68	.54	.48
695-CM309S-110	CM309S11.0592MABJTR	11.059200	1.05	.86	.75	.68	.54	.48
695-CM309S-12	CM309S12.000MABJTR	12.000000	1.05	.86	.75	.68	.54	.48
695-CM309S-122	CM309S12.288MABJTR	12.288000	1.05	.86	.75	.68	.54	.48
695-CM309S-143	CM309S14.31818MABJTR	14.318180	1.05	.86	.75	.68	.54	.48
695-CM309S-147	CM309S14.7456MABJTR	14.745600	1.05	.86	.75	.68	.54	.48
695-CM309S-16	CM309S16.000MABJTR	16.000000	1.05	.86	.75	.68	.54	.48
695-CM309S-184	CM309S18.432MABJTR	18.432000	1.05	.86	.75	.68	.54	.48
695-CM309S-196	CM309S19.6608MABJTR	19.660800	1.05	.86	.75	.68	.54	.48
695-CM309S-20	CM309S20.000MABJTR	20.000000	1.05	.86	.75	.68	.54	.48
695-CM309S-221	CM309S22.1184MABJTR	22.118400	1.26	1.03	.90	.81	.65	.58
695-CM309S-24	CM309S24.000MABJTR	24.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-245	CM309S24.576MABJTR	24.576000	1.26	1.03	.90	.81	.65	.58
695-CM309S-25	CM309S25.000MABJTR	25.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-27	CM309S27.000MABJTR	27.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-327	CM309S32.768MABJTR	32.768000	1.26	1.03	.90	.81	.65	.58
695-CM309S-48	CM309S48.000MABJTR	48.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-4915	CM309S49.152MABJTR	49.152000	1.26	1.03	.90	.81	.65	.58

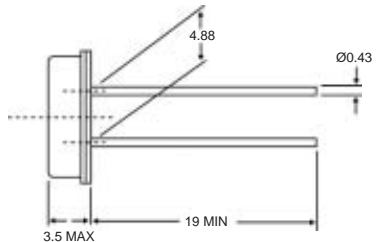
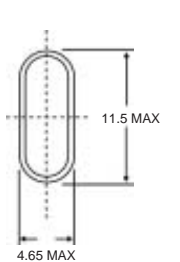
Frequency Control

Citizen

CITIZEN HC49US SERIES CRYSTALS

Specifications:

- Operating Temperature: -20°C to +70°C
- Nominal Frequency: 3.5 MHz to 30 MHz (Fund): 30 MHz to 50 MHz (3rd OT)
- Frequency Tolerance: ±30ppm or ±50ppm
- Load Capacitance: 16.0pF TYP.
- Drive Level: 100 µW



DIMENSIONS (mm)

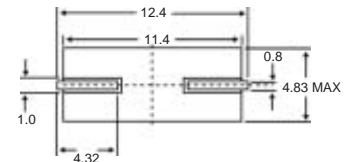
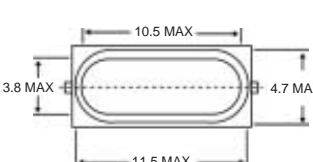
For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-HC49US-357	HC49US3.579545MABJTR	3.579545	.71	.62	.57	.52	.38	.34
695-HC49US-368	HC49US3.6864MABJTR	3.686400	.71	.62	.57	.52	.38	.34
695-HC49US-4	HC49US4.000MABJTR	4.000000	.71	.62	.57	.52	.38	.34
695-HC49US-419	HC49US4.194304MABJTR	4.194304	.71	.62	.57	.52	.38	.34
695-HC49US-491	HC49US4.9152MABJTR	4.915200	.71	.62	.57	.52	.38	.34
695-HC49US-737	HC49US7.3728MABJTR	7.372800	.71	.62	.57	.52	.38	.34
695-HC49US-8	HC49US8.000MABJTR	8.000000	.71	.62	.57	.52	.38	.34
695-HC49US-819	HC49US8.192MABJTR	8.192000	.71	.62	.57	.52	.38	.34
695-HC49US-983	HC49US9.8304MABJTR	9.830400	.71	.62	.57	.52	.38	.34
695-HC49US-10	HC49US10.000MABJTR	10.000000	.71	.62	.57	.52	.38	.34
695-HC49US-110	HC49US11.0592MABJTR	11.059200	.71	.62	.57	.52	.38	.34
695-HC49US-12	HC49US12.000MABJTR	12.000000	.71	.62	.57	.52	.38	.34
695-HC49US-122	HC49US12.288MABJTR	12.288000	.71	.62	.57	.52	.38	.34
695-HC49US-143	HC49US14.31818MABJTR	14.318180	.71	.62	.57	.52	.38	.34
695-HC49US-147	HC49US14.7456MABJTR	14.745600	.71	.62	.57	.52	.38	.34
695-HC49US-153	HC49US15.360MABJTR	15.360000	.71	.62	.57	.52	.38	.34
695-HC49US-16	HC49US16.000MABJTR	16.000000	.71	.62	.57	.52	.38	.34
695-HC49US-184	HC49US18.432MABJTR	18.432000	.71	.62	.57	.52	.38	.34
695-HC49US-196	HC49US19.6608MABJTR	19.660800	.71	.62	.57	.52	.38	.34
695-HC49US-20	HC49US20.000MABJTR	20.000000	.71	.62	.57	.52	.38	.34
695-HC49US-221	HC49US22.1184MABJTR	22.118400	.83	.72	.66	.61	.44	.40
695-HC49US-24	HC49US24.000MABJTR	24.000000	.83	.72	.66	.61	.44	.40
695-HC49US-245	HC49US24.576MABJTR	24.576000	.83	.72	.66	.61	.44	.40
695-HC49US-25	HC49US25.000MABJTR	25.000000	.83	.72	.66	.61	.44	.40
695-HC49US-27	HC49US27.000MABJTR	27.000000	.83	.72	.66	.61	.44	.40
695-HC49US-40	HC49US40.000MABJTR	40.000000	.83	.72	.66	.61	.44	.40
695-HC49US-48	HC49US48.000MABJTR	48.000000	.83	.72	.66	.61	.44	.40

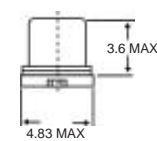
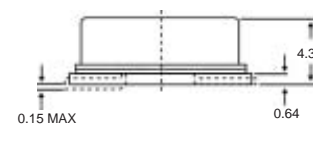
CITIZEN HCM49 SERIES CRYSTALS

Specifications:

- Operating Temperature: -20°C to +70°C
- Nominal Frequency: 3.5 MHz to 30 MHz (Fund): 30 MHz to 50 MHz (3rd OT)
- Frequency Tolerance: ±30ppm or ±50ppm
- Load Capacitance: 16.0pF TYP.
- Drive Level: 100 µW



DIMENSIONS (mm)



For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-HCM49-357	HCM493.579545MABJTR	3.579545	.83	.72	.66	.61	.44	.40
695-HCM49-368	HCM493.6864MABJTR	3.686400	.83	.72	.66	.61	.44	.40
695-HCM49-4	HCM494.000MABJTR	4.000000	.83	.72	.66	.61	.44	.40
695-HCM49-419	HCM494.194304MABJTR	4.194304	.83	.72	.66	.61	.44	.40
695-HCM49-491	HCM494.9152MABJTR	4.915200	.83	.72	.66	.61	.44	.40
695-HCM49-737	HCM497.3728MABJTR	7.372800	.83	.72	.66	.61	.44	.40
695-HCM49-8	HCM498.000MABJTR	8.000000	.83	.72	.66	.61	.44	.40
695-HCM49-819	HCM498.192MABJTR	8.192000	.83	.72	.66	.61	.44	.40
695-HCM49-983	HCM499.8304MABJTR	9.830400	.83	.72	.66	.61	.44	.40
695-HCM49-10	HCM4910.000MABJTR	10.000000	.83	.72	.66	.61	.44	.40
695-HCM49-110	HCM4911.0592MABJTR	11.059200	.83	.72	.66	.61	.44	.40
695-HCM49-12	HCM4912.000MABJTR	12.000000	.83	.72	.66	.61	.44	.40
695-HCM49-122	HCM4912.288MABJTR	12.288000	.83	.72	.66	.61	.44	.40
695-HCM49-143	HCM4914.31818MABJTR	14.318180	.83	.72	.66	.61	.44	.40
695-HCM49-147	HCM4914.7456MABJTR	14.745600	.83	.72	.66	.61	.44	.40
695-HCM49-153	HCM4915.360MABJTR	15.360000	.83	.72	.66	.61	.44	.40
695-HCM49-16	HCM4916.000MABJTR	16.000000	.83	.72	.66	.61	.44	.40
695-HCM49-184	HCM4918.432MABJTR	18.432000	.83	.72	.66	.61	.44	.40
695-HCM49-196	HCM4919.6608MABJTR	19.660800	.83	.72	.66	.61	.44	.40
695-HCM49-20	HCM4920.000MABJTR	20.000000	.83	.72	.66	.61	.44	.40
695-HCM49-221	HCM4922.1184MABJTR	22.118400	.98	.85	.78	.72	.52	.47
695-HCM49-24	HCM4924.000MABJTR	24.000000	.98	.85	.78	.72	.52	.47
695-HCM49-245	HCM4924.576MABJTR	24.576000	.98	.85	.78	.72	.52	.47
695-HCM49-25	HCM4925.000MABJTR	25.000000	.98	.85	.78	.72	.52	.47
695-HCM49-27	HCM4927.000MABJTR	27.000000	.98	.85	.78	.72	.52	.47
695-HCM49-40	HCM4940.000MABJTR	40.000000	.98	.85	.78	.72	.52	.47
695-HCM49-48	HCM4948.000MABJTR	48.000000	.98	.85	.78	.72	.52	.47

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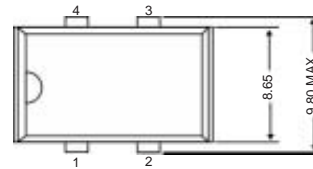
CITIZEN CMX-309 SERIES CLOCK OSCILLATORS

Specifications:

- Operating Temperature: -20°C to +70°C
- Supply Voltage: 5.0V ±0.5V
- Supply Current: (FLC) 23mA Max.; (HWC) 35mA Max.
- Shock Resistance: ±20ppm Max.
- Frequency Range: 1.000MHz - 30.000MHz
- Aging (First Year): ±5ppm/year Max.
- Start Up Time: (FLC) 4msec Max.; (HWC) 10msec Max.

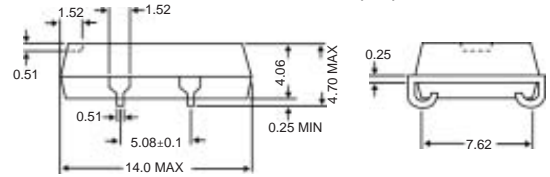
For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CMX309FLC-184	CMX309FLC1.8432MTR	1.843200	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-368	CMX309FLC3.6864MTR	3.686400	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-4	CMX309FLC4.0000MTR	4.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-8	CMX309FLC8.0000MTR	8.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-10	CMX309FLC10.000MTR	10.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-110	CMX309FLC11.0592MTR	11.059200	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-12	CMX309FLC12.000MTR	12.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-143	CMX309FLC14.31818MTR	14.318180	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-16	CMX309FLC16.000MTR	16.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-20	CMX309FLC20.000MTR	20.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-24	CMX309FLC24.000MTR	24.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-25	CMX309FLC25.000MTR	25.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309FLC-27	CMX309FLC27.000MTR	27.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-327	CMX309HWC32.000MTR	32.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-327	CMX309HWC32.768MTR	32.768000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-33	CMX309HWC33.000MTR	33.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-333	CMX309HWC33.3333MTR	33.333300	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-40	CMX309HWC40.000MTR	40.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-48	CMX309HWC48.000MTR	48.000000	2.63	2.44	1.69	1.50	1.28	1.20
695-CMX309HWC-50	CMX309HWC50.000MTR	50.000000	2.63	2.44	1.69	1.50	1.28	1.20



NO	PIN
1	OE
2	GND
3	OUT
4	VDD

DIMENSIONS (mm)



CITIZEN CS10 SERIES CERAMIC SMD CRYSTALS

Specifications:

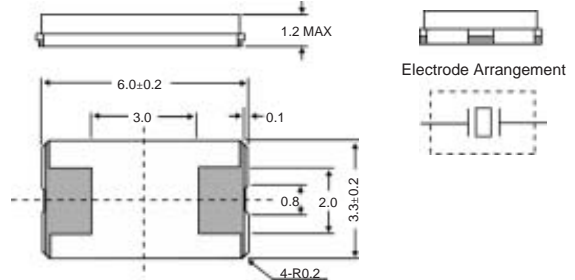
- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 12.5 MHz to 50 MHz (fundamental)
- Frequency Tolerance: ±30ppm or ±50ppm
- Load Capacitance: 16.0pF TYP.
- Drive Level: 50µW

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CS10-12	CS1012.000MABJTR	12.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-122	CS1012.288MABJTR	12.288000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-135	CS1013.560MABJTR	13.560000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-143	CS1014.31818MABJTR	14.318180	1.61	1.31	1.15	1.04	.83	.74
695-CS10-153	CS1015.360MABJTR	15.360000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-16	CS1016.000MABJTR	16.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-184	CS1018.432MABJTR	18.432000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-20	CS1020.000MABJTR	20.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-221	CS1022.1184MABJTR	22.118400	1.61	1.31	1.15	1.04	.83	.74
695-CS10-245	CS1024.576MABJTR	24.576000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-25	CS1025.000MABJTR	25.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-27	CS1027.000MABJTR	27.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-32	CS1032.000MABJTR	32.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-48	CS1048.000MABJTR	48.000000	1.61	1.31	1.15	1.04	.83	.74



DIMENSIONS (mm)



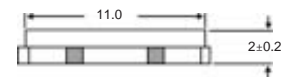
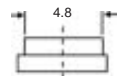
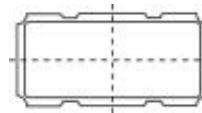
CITIZEN CS20 SERIES CERAMIC SMD CRYSTALS

Specifications:

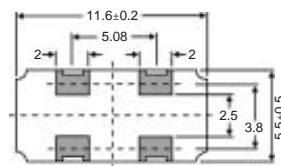
- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 12.5 MHz to 50 MHz (fundamental)
- Frequency Tolerance: ±30ppm or ±50ppm
- Load Capacitance: 16.0pF TYP.
- Drive Level: 50µW

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CS20-368	CS203.6864MABJTR	3.686400	1.29	.97	.86	.77	.69	.67
695-CS20-4	CS204.0000MABJTR	4.000000	1.29	.97	.86	.77	.69	.67
695-CS20-491	CS204.9152MABJTR	4.915200	1.29	.97	.86	.77	.69	.67
695-CS20-6	CS206.0000MABJTR	6.000000	1.29	.97	.86	.77	.69	.67
695-CS20-737	CS207.3728MABJTR	7.372800	1.29	.97	.86	.77	.69	.67
695-CS20-768	CS207.6800MABJTR	7.680000	1.29	.97	.86	.77	.69	.67
695-CS20-8	CS208.0000MABJTR	8.000000	1.29	.97	.86	.77	.69	.67
695-CS20-983	CS209.8304MABJTR	9.830400	1.29	.97	.86	.77	.69	.67
695-CS20-10	CS2010.0000MABJTR	10.000000	1.29	.97	.86	.77	.69	.67
695-CS20-110	CS2011.0592MABJTR	11.059200	1.29	.97	.86	.77	.69	.67
695-CS20-12	CS2012.0000MABJTR	12.000000	1.29	.97	.86	.77	.69	.67
695-CS20-122	CS2012.2880MABJTR	12.288000	1.29	.97	.86	.77	.69	.67
695-CS20-143	CS2014.31818MABJTR	14.318180	1.29	.97	.86	.77	.69	.67
695-CS20-147	CS2014.7456MABJTR	14.745600	1.29	.97	.86	.77	.69	.67
695-CS20-15	CS2015.0000MABJTR	15.000000	1.29	.97	.86	.77	.69	.67
695-CS20-153	CS2015.3600MABJTR	15.360000	1.29	.97	.86	.77	.69	.67
695-CS20-16	CS2016.0000MABJTR	16.000000	1.29	.97	.86	.77	.69	.67
695-CS20-20	CS2020.0000MABJTR	20.000000	1.29	.97	.86	.77	.69	.67
695-CS20-221	CS2022.1184MABJTR	22.118400	1.29	.97	.86	.77	.69	.67
695-CS20-24	CS2024.0000MABJTR	24.000000	1.29	.97	.86	.77	.69	.67
695-CS20-245	CS2024.5760MABJTR	24.576000	1.29	.97	.86	.77	.69	.67
695-CS20-25	CS2025.0000MABJTR	25.000000	1.29	.97	.86	.77	.69	.67



Electrode Arrangement



DIMENSIONS (mm)

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

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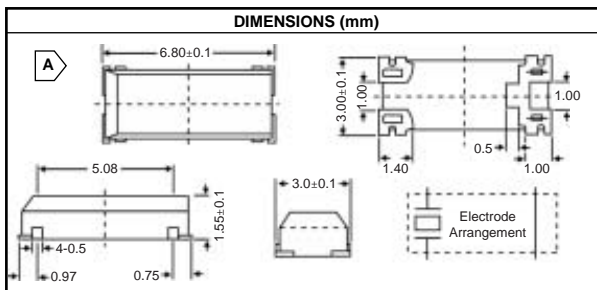
CITIZEN CM155 AND CM130 SERIES PLASTIC SMD CRYSTALS

Specifications:

- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32.768 KHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.
- Drive Level: 1 µW Max.

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	1000	2000
695-CM155-327K	CM15532.768KDZFTFR	A	32.768000	1.47	1.20	1.05	.95	.76	.67
695-CM130-327K	CM13032.768KDZFTFR	B	32.768000	1.47	1.20	1.05	.95	.76	.67



CITIZEN CSX-750F SERIES CERAMIC SMD OSCILLATORS

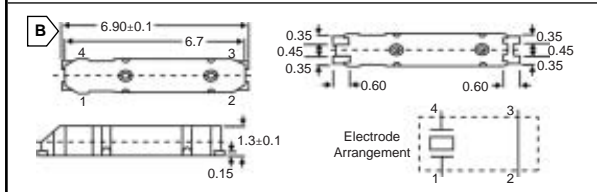
Specifications:

- Operating Temperature: -20°C to +70°C
- Frequency Range: 1,000 MHz to 70,000 MHz
- Supply Voltage: 3.3V ±0.3V
- Supply Current: (FBC) 15mA Max.; (FJC) 25mA Max.
- Output Voltage: 2.2V Min; 0.4V Max
- Start Up Time: (FBC) 4msec Max.; (HJC) 10msec Max.

Pin Assignment	
1	OE or Stand By
2	Ground
3	Output
4	Vdd

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	1000	2000
695-CSX750FBC-184	CSX750FBC1.8432MTR	C	1.843200	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-368	CSX750FBC3.6864MTR	C	3.686400	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-4	CSX750FBC4.000MTR	C	4.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-8	CSX750FBC8.000MTR	C	8.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-10	CSX750FBC10.000MTR	C	10.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-12	CSX750FBC12.000MTR	C	12.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-143	CSX750FBC14.31818MTR	C	14.318180	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-20	CSX750FBC20.000MTR	C	20.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-24	CSX750FBC24.000MTR	C	24.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-25	CSX750FBC25.000MTR	C	25.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-32	CSX750FBC32.000MTR	C	32.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FBC-333	CSX750FBC33.333MTR	C	33.333000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FJC-40	CSX750FJC40.000MTR	C	40.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FJC-48	CSX750FJC48.000MTR	C	48.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FJC-50	CSX750FJC50.000MTR	C	50.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FJC-60	CSX750FJC60.000MTR	C	60.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FJC-64	CSX750FJC64.000MTR	C	64.000000	2.98	2.76	1.91	1.70	1.45	1.36
695-CSX750FJC-666	CSX750FJC66.667MTR	C	66.667000	2.98	2.76	1.91	1.70	1.45	1.36



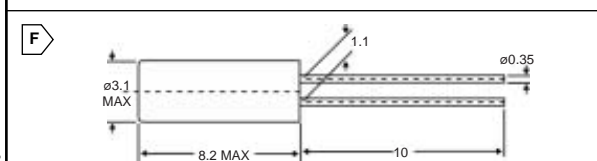
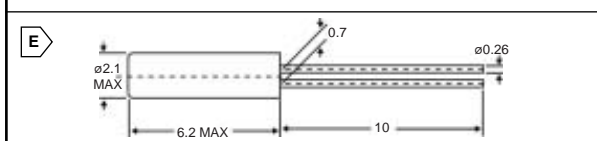
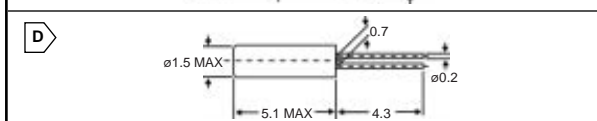
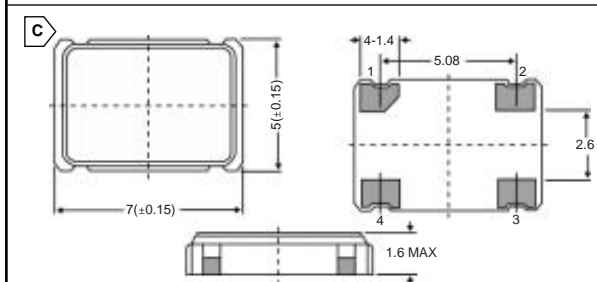
CITIZEN CFS SERIES CYLINDER CRYSTALS

Specifications:

- Operating Temperature: -10°C to +60°C
- Nominal Frequency: 32.768 MHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: (308 and 206-327KFB) 12.5pF, (206-327KBB) 6.0pF, (145) 12.5pF
- Drive Level: 1 µW Max

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	1000	2000
695-CFS145-327K	CFS14532.768KDZFB	D	32.768000	.79	.68	.63	.58	.42	.38
695-CFS206-327KFB	CFS20632.768KDZFB	E	32.768000	.30	.26	.22	.18	.14	.13
695-CFS206-327KBB	CFS20632.768KDZBB	E	32.768000	.30	.26	.22	.18	.14	.13
695-CFS308-327K	CFS30832.768KDZFB	F	32.768000	.30	.26	.22	.18	.14	.13



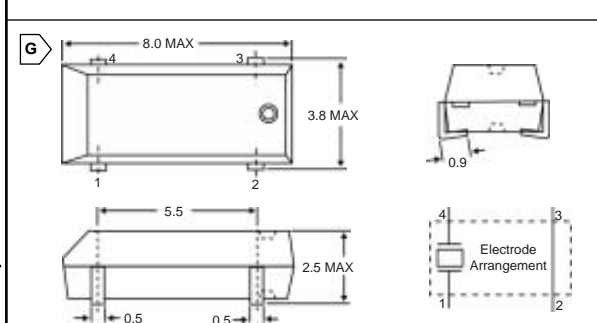
CITIZEN CM200S SERIES ULTRA-MINIATURE SMD CRYSTALS

Specifications:

- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32.768 KHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.
- Drive Level: 1 µW Max.

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	1000	2000
695-CM200S-327KF	CM200S32.768KDZFTFR	G	32.768000	.98	.80	.70	.63	.50	.45
695-CM200S-327KB	CM200S32.768KDZBTR	G	32.768000	.98	.80	.70	.63	.50	.45



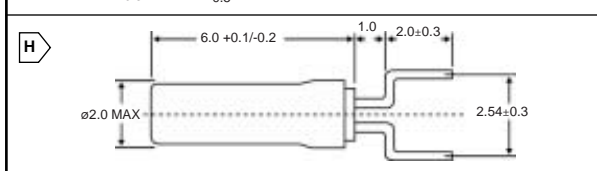
CITIZEN CM200T SERIES CRYSTALS

Specifications:

- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32.768 KHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.
- Drive Level: 1 µW Max.

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	1000	2000
695-CMR200TB-327K	CMR200TB32.768KDZFTFR	H	32.768000	.71	.62	.57	.52	.38	.34



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Bourns High Q and Multi Layer Chip Inductors



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

BOURNS HIGH Q CHIP INDUCTORS

- Features:**
- High Q up to typ.
 - High operating temp. of 125°C
 - Applications: mobile phones, cellular phones, CTV, VCR, HIC, FDD
- Specifications:**
- Temp. rise: 40°C max. @ rated current
 - Operating temp.: -40°C to +125°C
 - Storage temp.: -40°C to +125°C
 - Reflow soldering: 230°C, 10 sec. max.
 - Resistance to solder heat: 260°C, 5 sec.
- Materials:**
- Core material: Alumina (1CC201211)
 - Wire: Enamelled Copper (1W1E180)
 - Terminal Electrode: Mo/Mn+Ni+Au

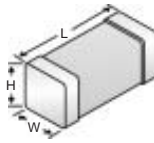
Case Size	Dimensions mm (In.)		
	L	W	H
0603	1.65 ±0.15 (.065 ±0.008)	1.05 ±0.20 (.041 ±0.008)	1.0 ±0.20 (.040 ±0.008)
0805	2.1 ±0.20 (.083 ±0.008)	1.5 ±0.20 (.059 ±0.008)	1.3 ±0.20 (.051 ±0.008)
1008	2.75 ±0.20 (.1079 ±0.008)	2.6 ±0.20 (.102 ±0.008)	2.0 ±0.20 (.079 ±0.008)

0603 Size For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Inductance		Q (min.)	Price Each				Reel Price Each
		nH	Tolerance		1	100	500	3000	
652 - CW160808-1N8M		1.8	20	16	.38	.33	.28	.24	
652 - CW160808-3N9K		3.9	10	16	.38	.33	.28	.24	
652 - CW160808-4N7K		4.7	10	16	.38	.33	.28	.24	
652 - CW160808-6N8J		6.8	5	25	.38	.33	.28	.24	
652 - CW160808-10N1J		10	5	30	.38	.33	.28	.24	
652 - CW160808-15N1J		15	5	30	.38	.33	.28	.24	
652 - CW160808-22N1J		22	5	35	.38	.33	.28	.24	
652 - CW160808-33N1J		33	5	35	.38	.33	.28	.24	
652 - CW160808-47N1J		47	5	35	.38	.33	.28	.24	
652 - CW160808-68N1J		68	5	35	.38	.33	.28	.24	
652 - CW160808-R10J		100	5	34	.38	.33	.28	.24	
652 - CW160808-R15J		150	5	28	.38	.33	.28	.24	
652 - CW160808-R22J		220	5	25	.38	.33	.28	.24	
652 - CW160808-R27J		270	5	25	.38	.33	.28	.24	

BOURNS MULTI-LAYER CHIP INDUCTORS

- Specifications:**
- Operating temperature: -55°C to +125°C
 - Storage temperature: -55°C to +125°C
 - Reflow soldering: 230°C, 10 sec. max.
 - Resistance to solder heat: 260°C, 5 sec.
- Materials:**
- Base material: Ceramic
 - Terminal Electrode: Ag, Ni, Sn



Case Size	Dimensions mm (In.)		
	L	W	H
0402	1.0 ±0.05 (.039 ±0.002)	0.5 ±0.05 (.020 ±0.002)	0.5 ±0.05 (.020 ±0.002)
0603	1.6 ±0.15 (.063 ±0.006)	0.8 ±0.15 (.031 ±0.006)	0.8 ±0.15 (.031 ±0.006)
0805	2.0 ±0.20 (.079 ±0.008)	1.25 ±0.20 (.049 ±0.008)	1.0 ±0.20 (.049 ±0.008)

0402 Size For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Inductance		Q (min.)	SRF MHz	Price Each				Reel Price Ea.	
		nH	Tol.			1	100	500	10,000		
652 - CI100505-1N0D		1	0.3nH	8	20	6000	.07	.05	.043	.034	
652 - CI100505-1N5D		1.5	0.3nH	8	20	30	6000	.07	.05	.043	.034
652 - CI100505-2N2D		2.2	0.3nH	8	22	35	6000	.07	.05	.043	.034
652 - CI100505-3N3D		3.3	0.3nH	8	22	35	6000	.07	.05	.043	.034
652 - CI100505-4N7D		4.7	0.3nH	8	22	30	4000	.07	.05	.043	.034
652 - CI100505-6N8J		6.8	5	8	22	28	3900	.07	.05	.043	.034
652 - CI100505-8N2J		8.2	5	8	20	28	3600	.07	.05	.043	.034
652 - CI100505-10N1J		10	5	8	20	24	3200	.07	.05	.043	.034
652 - CI100505-15N1J		15	5	8	20	20	2300	.07	.05	.043	.034
652 - CI100505-22N1J		22	5	8	20	13	1900	.07	.05	.043	.034
652 - CI100505-33N1J		33	5	8	16	---	1300	.07	.05	.043	.034
652 - CI100505-47N1J		47	5	8	10	---	1000	.07	.05	.043	.034
652 - CI100505-68N1J		68	5	8	---	---	700	.07	.05	.043	.034
652 - CI100505-82N1J		82	5	8	---	---	600	.07	.05	.043	.034
652 - CI100505-R10J		100	5	8	---	---	550	.07	.05	.043	.034

0805 Size For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Inductance		Q (min.)	Price Each				Reel Price Each
		nH	Tolerance		1	100	500	2000	
652 - CW201212-2N2J		2.2	5	40	.30	.27	.23	.19	
652 - CW201212-4N7J		4.7	5	50	.30	.27	.23	.19	
652 - CW201212-10N1J		10	5	50	.30	.27	.23	.19	
652 - CW201212-15N1J		15	5	50	.30	.27	.23	.19	
652 - CW201212-22N1J		22	5	55	.30	.27	.23	.19	
652 - CW201212-33N1J		33	5	60	.30	.27	.23	.19	
652 - CW201212-47N1J		47	5	60	.30	.27	.23	.19	
652 - CW201212-68N1J		68	5	60	.30	.27	.23	.19	
652 - CW201212-R10J		100	5	60	.30	.27	.23	.19	
652 - CW201212-R15J		150	5	50	.30	.27	.23	.19	
652 - CW201212-R22J		220	5	45	.30	.27	.23	.19	
652 - CW201212-R33J		330	5	40	.30	.27	.23	.19	
652 - CW201212-R47J		470	5	33	.30	.27	.23	.19	

1008 Size For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Inductance		Q (min.)	Price Each				Reel Price Each
		nH	Tolerance		1	100	500	2000	
652 - CW252016-10NK		10	10	50	.24	.22	.21	.183	
652 - CW252016-15NK		15	10	40	.24	.22	.21	.183	
652 - CW252016-22NK		22	10	55	.24	.22	.21	.183	
652 - CW252016-33NK		33	10	60	.24	.22	.21	.183	
652 - CW252016-47NK		47	10	65	.24	.22	.21	.183	
652 - CW252016-68NK		68	5	65	.24	.22	.21	.183	
652 - CW252016-R10J		100	5	60	.24	.22	.21	.183	
652 - CW252016-R15J		150	5	45	.24	.22	.21	.183	
652 - CW252016-R22J		220	5	45	.24	.22	.21	.183	
652 - CW252016-R33J		330	5	45	.24	.22	.21	.183	
652 - CW252016-R47J		470	5	45	.24	.22	.21	.183	
652 - CW252016-R68J		680	5	45	.24	.22	.21	.183	
652 - CW252016-1R0J		1000	5	35	.24	.22	.21	.183	
652 - CW252016-1R5J		1500	5	28	.24	.22	.21	.183	
652 - CW252016-2R2J		2200	5	28	.24	.22	.21	.183	

0603 Size For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Inductance		Q (min.)	Test Freq. L, Q MHz	SRF MHz (min.)	Price Each				Reel Price Ea.
		nH	Tol.				1	100	500	4000	
652 - CI160808-1N0D		1	0.3nH	8	100	4000	.08	.07	.06	.043	
652 - CI160808-1N5D		1.5	0.3nH	8	100	4000	.08	.07	.06	.043	
652 - CI160808-2N2D		2.2	0.3nH	8	100	3600	.08	.07	.06	.043	
652 - CI160808-3N3D		3.3	0.3nH	10	100	3200	.08	.07	.06	.043	
652 - CI160808-4N7D		4.7	0.3nH	10	100	2800	.08	.07	.06	.043	
652 - CI160808-6N8J		6.8	5	10	100	2600	.08	.07	.06	.043	
652 - CI160808-8N2J		8.2	5	10	100	2200	.08	.07	.06	.043	
652 - CI160808-10N1J		10	5	10	100	1800	.08	.07	.06	.043	
652 - CI160808-15N1J		15	5	10	100	1350	.08	.07	.06	.043	
652 - CI160808-22N1J		22	5	10	100	1100	.08	.07	.06	.043	
652 - CI160808-33N1J		33	5	10	100	1000	.08	.07	.06	.043	
652 - CI160808-47N1J		47	5	10	100	800	.08	.07	.06	.043	
652 - CI160808-68N1J		68	5	10	100	700	.08	.07	.06	.043	
652 - CI160808-82N1J		82	5	10	100	600	.08	.07	.06	.043	
652 - CI160808-R10J		100	5	10	50	500	.08	.07	.06	.043	
652 - CI160808-R15J		150	5	8	50	500	.08	.07	.06	.043	
652 - CI160808-R22J		220	5	8	50	350	.08	.07	.06	.043	

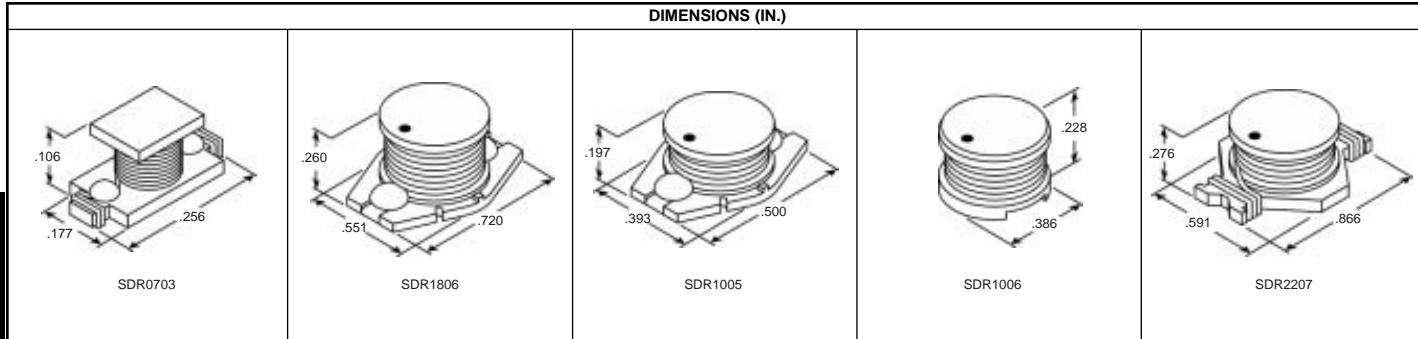
0805 Size For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Inductance		Q (min.)	Test Freq. L, Q MHz	SRF MHz (min.)	Price Each				Reel Price Ea.
		nH	Tol.				1	100	500	3000	
652 - CI201210-1N0D		1	0.3nH	10	100	4000	.11	.10	.08	.068	
652 - CI201210-1N5D		1.5	0.3nH	10	100	4000	.11	.10	.08	.068	
652 - CI201210-2N2D		2.2	0.3nH	10	100	3800	.11	.10	.08	.068	
652 - CI201210-3N3D		3.3	0.3nH	10	100	3400	.11	.10	.08	.068	
652 - CI201210-4N7D		4.7	0.3nH	10	100	3000	.11	.10	.08	.068	
652 - CI201210-6N8J		6.8	5	10	100	2600	.11	.10	.08	.068	
652 - CI201210-8N2J		8.2	5	10	100	2200	.11	.10	.08	.068	
652 - CI201210-10N1J		10	5	10	100	1800	.11	.10	.08	.068	
652 - CI201210-15N1J		15	5	10	100	1350	.11	.10	.08	.068	
652 - CI201210-22N1J		22	5	15	100	1100	.11	.10	.08	.068	
652 - CI201210-33N1J		33	5	15	100	1000	.11	.10	.08	.068	
652 - CI201210-47N1J		47	5	15	100	850	.11	.10	.08	.068	
652 - CI201210-68N1J		68	5	15	100	400	.11	.10	.08	.068	
652 - CI201210-82N1J		82	5	15	100	600	.11	.10	.08	.068	
652 - CI201210-R10J		100	5	15	100	500	.11	.10	.08	.068	
652 - CI201210-R15J		150	5	15	50	400	.11	.10	.08	.068	
652 - CI201210-R22J		220	5	10	50	300	.11	.10	.08	.068	
652 - CI201210-R33J		330	5	10	50	270	.11	.10	.08	.068	
652 - CI201210-R47J		470	5	10	50	180	.11	.10	.08	.068	

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

DIMENSIONS (IN.)



SDR0703

SDR1806

SDR1005

SDR1006

SDR2207

SDR SERIES NON-SHIELDED POWER INDUCTORS SDR1006 Series

For quantities of 1600 and up, call for quote.

Features:

- Applications: Input/output of DC/DC converters, Portable communication equipment, camcorders, LCD TVs, car radios

Specifications:

- Reflow soldering: 230°C, 10 sec. max.
- Storage temperature: -40°C to +125°C

Cross Reference Chart	
Bourns P/N	Coilcraft
SDR0703-XXXX	D01608C-XXX
SDR1005-XXXX	D03316P-XXX
SDR1006-XXXX	D03316P-XXX
SDR1806-XXXX	D05022P-XXX
SDR2207-XXXX	D05022P-XXXHC

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each				Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	50	100	800	
652	SDR1006-1R5M	1.5	20%	35	7.96	105	.57	.48	.43	.38	
652	SDR1006-2R2M	2.2	20%	35	7.96	68	.57	.48	.43	.38	
652	SDR1006-3R3M	3.3	20%	34	7.96	55	.57	.48	.43	.38	
652	SDR1006-4R7M	4.7	20%	33	7.96	40	.57	.48	.43	.38	
652	SDR1006-6R8M	6.8	20%	33	7.96	32	.57	.48	.43	.38	
652	SDR1006-100M	10	20%	30	2.52	21	.57	.48	.43	.38	
652	SDR1006-150M	15	20%	30	2.52	16	.57	.48	.43	.38	
652	SDR1006-220M	22	20%	25	2.52	13	.57	.48	.43	.38	
652	SDR1006-330K	33	10%	25	2.52	10	.57	.48	.43	.38	
652	SDR1006-470K	47	10%	20	2.52	8	.57	.48	.43	.38	
652	SDR1006-680K	68	10%	15	2.52	7	.57	.48	.43	.38	
652	SDR1006-101K	100	10%	15	.796	5.2	.57	.48	.43	.38	
652	SDR1006-151K	150	10%	15	.796	4.5	.57	.48	.43	.38	
652	SDR1006-221K	220	10%	12	.796	3.8	.57	.48	.43	.38	
652	SDR1006-331K	330	10%	12	.796	3.2	.57	.48	.43	.38	
652	SDR1006-471K	470	10%	12	.796	2.5	.57	.48	.43	.38	
652	SDR1006-681K	680	10%	12	.796	2.1	.57	.48	.43	.38	
652	SDR1006-102K	1000	10%	30	.252	1.9	.57	.48	.43	.38	
652	SDR1006-152K	1500	10%	31	.252	1.7	.57	.48	.43	.38	
652	SDR1006-222K	2200	10%	31	.252	1.5	.57	.48	.43	.38	
652	SDR1006-332K	3300	10%	32	.252	1.3	.57	.48	.43	.38	
652	SDR1006-472K	4700	10%	32	.252	0.8	.57	.48	.43	.38	

SDR0703 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each				Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	100	500	1000	
652	SDR0703-1R0M	1.0	20%	25	7.96	160	.60	.53	.45	.41	
652	SDR0703-1R8M	1.8	20%	25	7.96	105	.60	.53	.45	.41	
652	SDR0703-2R2M	2.2	20%	24	7.96	95	.60	.53	.45	.41	
652	SDR0703-3R3M	3.3	20%	23	7.96	65	.60	.53	.45	.41	
652	SDR0703-4R7M	4.7	20%	20	7.96	60	.60	.53	.45	.41	
652	SDR0703-6R8M	6.8	20%	20	7.96	45	.60	.53	.45	.41	
652	SDR0703-100K	10	10%	23	2.52	36	.60	.53	.45	.41	
652	SDR0703-150K	15	10%	23	2.52	30	.60	.53	.45	.41	
652	SDR0703-220K	22	10%	20	2.52	26	.60	.53	.45	.41	
652	SDR0703-330K	33	10%	17	2.52	20	.60	.53	.45	.41	
652	SDR0703-470K	47	10%	20	2.52	15	.60	.53	.45	.41	
652	SDR0703-680K	68	10%	18	2.52	13	.60	.53	.45	.41	
652	SDR0703-101K	100	10%	33	0.796	11	.60	.53	.45	.41	
652	SDR0703-151K	150	10%	30	0.796	9	.60	.53	.45	.41	
652	SDR0703-221K	220	10%	31	0.796	7	.60	.53	.45	.41	
652	SDR0703-331K	330	10%	33	0.796	6	.60	.53	.45	.41	
652	SDR0703-471K	470	10%	33	0.796	5	.60	.53	.45	.41	
652	SDR0703-681K	680	10%	32	0.796	4	.60	.53	.45	.41	
652	SDR0703-102K	1000	10%	30	0.252	3.2	.60	.53	.45	.41	

SDR1005 Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each				Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	50	100	600	
652	SDR1005-1R0M	1	20%	20	10	137	.63	.53	.47	.42	
652	SDR1005-1R5M	1.5	20%	50	3	95	.63	.53	.47	.42	
652	SDR1005-3R3M	3.3	20%	50	4	54	.63	.53	.47	.42	
652	SDR1005-4R7M	4.7	20%	50	4	42	.63	.53	.47	.42	
652	SDR1005-6R8M	6.8	20%	50	3	31	.63	.53	.47	.42	
652	SDR1005-100M	10	20%	50	3	26	.63	.53	.47	.42	
652	SDR1005-150M	15	20%	50	3	22	.63	.53	.47	.42	
652	SDR1005-220M	22	20%	40	3	18	.63	.53	.47	.42	
652	SDR1005-330K	33	10%	25	1	14	.63	.53	.47	.42	
652	SDR1005-470K	47	10%	25	1	12	.63	.53	.47	.42	
652	SDR1005-680K	68	10%	25	1	11	.63	.53	.47	.42	
652	SDR1005-101K	100	10%	30	.05	8	.63	.53	.47	.42	
652	SDR1005-151K	150	10%	30	.05	6	.63	.53	.47	.42	
652	SDR1005-221K	220	10%	33	.05	5	.63	.53	.47	.42	
652	SDR1005-331K	330	10%	33	.05	4	.63	.53	.47	.42	
652	SDR1005-471K	470	10%	57	.05	4	.63	.53	.47	.42	
652	SDR1005-681K	680	10%	57	.05	3	.63	.53	.47	.42	
652	SDR1005-102K	1000	10%	81	.07	2	.63	.53	.47	.42	
652	SDR1005-152J	1500	5%	91	.07	2	.63	.53	.47	.42	
652	SDR1005-222J	2200	5%	91	.07	2	.63	.53	.47	.42	
652	SDR1005-332J	3300	5%	93	.07	1	.63	.53	.47	.42	
652	SDR1005-472J	4700	5%	93	.07	1	.63	.53	.47	.42	
652	SDR1005-682J	6800	5%	93	.07	1	.63	.53	.47	.42	
652	SDR1005-103K	10000	10%	101	.07	1	.63	.53	.47	.42	

SDR1806 Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each				Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	50	100	500	
652	SDR1806-1R0M	1	20%	21	7.96	100	.85	.78	.70	.62	
652	SDR1806-2R2M	2.2	20%	22	7.96	55	.85	.78	.70	.62	
652	SDR1806-3R3M	3.3	20%	22	7.96	40	.85	.78	.70	.62	
652	SDR1806-5R6M	5.6	20%	23	7.96	30	.85	.78	.70	.62	
652	SDR1806-100M	10	20%	22	2.52	25	.85	.78	.70	.62	
652	SDR1806-150M	15	20%	20	2.52	17	.85	.78	.70	.62	
652	SDR1806-220M	22	20%	22	2.52	13	.85	.78	.70	.62	
652	SDR1806-330M	33	20%	24	2.52	11	.85	.78	.70	.62	
652	SDR1806-470M	47	20%	22	2.52	9	.85	.78	.70	.62	
652	SDR1806-680M	68	20%	22	2.52	8	.85	.78	.70	.62	
652	SDR1806-101K	100	10%	25	.796	7	.85	.78	.70	.62	
652	SDR1806-151K	150	10%	23	.796	5	.85	.78	.70	.62	
652	SDR1806-221K	220	10%	20	.796	4.5	.85	.78	.70	.62	
652	SDR1806-331K	330	10%	18	.796	3.5	.85	.78	.70	.62	
652	SDR1806-471K	470	10%	15	.796	3	.85	.78	.70	.62	
652	SDR1806-681K	680	10%	12	.796	2.5	.85	.78	.70	.62	
652	SDR1806-102K	1000	10%	10	.252	2	.85	.78	.70	.62	

SDR2207 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each				Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	25	100	250	
652	SDR2207-R80M	0.8	20%	30	5	102	.96	.80	.72	.63	
652	SDR2207-1R8M	1.8	20%	31	3	51	.96	.80	.72	.63	
652	SDR2207-3R3M	3.3	20%	38	3	39	.96	.80	.72	.63	
652	SDR2207-4R7M	4.7	20%	38	3	33	.96	.80	.72	.63	
652	SDR2207-6R8M	6.8	20%	38	3	27	.96	.80	.72	.63	
652	SDR2207-100M	10	20%	53	5	20	.96	.80	.72	.63	
652	SDR2207-150Y	15	15%	38	5	16	.96	.80	.72	.63	
652	SDR2207-220Y	22	15%	27	3	14	.96	.80	.72	.63	
652	SDR2207-470K	47	10%	27	3	9	.96	.80	.72	.63	
652	SDR2207-680K	68	10%	18	2	7.9	.96	.80	.72	.63	
652	SDR2207-101K	100	10%	18	2	6.2	.96	.80	.72	.63	

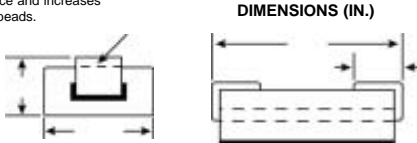
NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

Fair-Rite Products Corp. SURFACE MOUNT EMI SHIELD BEADS

The rugged construction decreases DC resistance and increases current carrying capacity compared with plated beads.

Features:

- Offered in low frequency (73), broadband (43) and high frequency (61) materials
- Copper conductors have a 300 μm tin/lead coating.



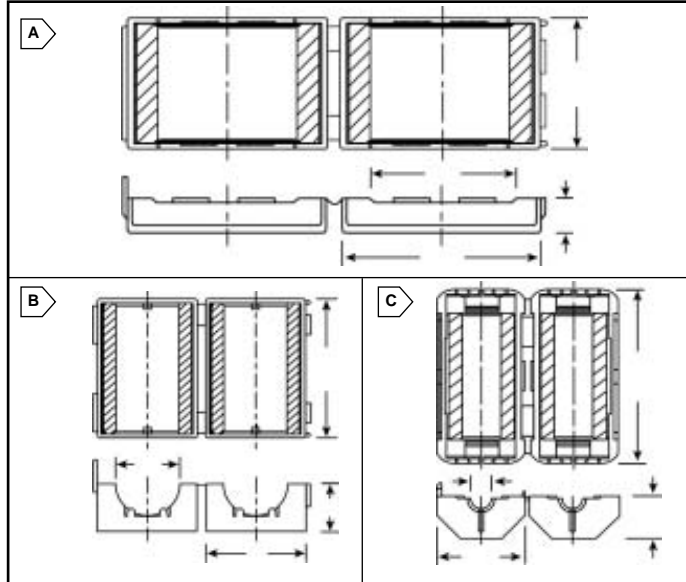
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Typical Imp.		Dimensions (In.)				Price Each			
	(Ω)	MHz	A	B	C	D	1	100	500	1000
623-2773019447	40	25	.112	.120	.184	.059	.28	.25	.18	.15
623-2773021447	78	25	.112	.120	.359	.059	.30	.27	.20	.17
623-2743019447	47	100	.112	.120	.184	.059	.19	.17	.12	.10
623-2743021447	95	100	.112	.120	.359	.059	.21	.19	.14	.12
623-2761019447	48	250	.112	.120	.184	.059	.29	.25	.18	.15
623-2761021447	100	250	.112	.120	.359	.059	.30	.27	.19	.16

Fair-Rite Products Corp. EMI SUPPRESSION CORES WITH CASES

Features: • Case material: Polypropylene • Flammability rating: UL94-V0

DIMENSIONS (IN.)



Flat Cable Cores with Cases

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Typical Imp. (Ω) @100MHz	Dimensions (In.)				Price Each		
			A	B	C	D	1	10	50
623-0443166651	A	225	1.950	1.350	1.272	.320	3.19	2.90	2.64
623-0443163951	A	235	2.670	2.050	1.272	.320	4.45	4.04	3.67
623-0443164051	A	215	3.180	2.570	1.272	.320	5.30	4.82	4.38

Round Cable Cores with Cases

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Typical Imp. (Ω) @100MHz	Dimensions (In.)				Price Each		
			A	B	C	D	1	10	50
623-0443164251	B	275	.705	.275	1.272	.362	1.97	1.79	1.63
623-0443167251	B	225	.870	.402	1.272	.433	2.29	2.08	1.89
623-0443164151	B	250	1.142	.528	1.280	.583	3.43	3.12	2.84
623-0444164281	C	260	.788	.260	1.55	.385	1.63	1.48	1.34
623-0444167281	C	240	.933	.400	1.55	.461	2.21	2.01	1.82
623-0444164181	C	260	1.220	.512	1.55	.600	2.52	2.29	2.08
623-0444176451	C	380	1.52	.722	1.87	.754	6.48	5.40	4.97
623-0431177081	C	375	2.22	1.00	1.69	1.08	18.64	15.36	14.29
623-0444177081	C	340	2.22	1.00	1.69	1.08	13.24	11.04	10.15

Fair-Rite Products Corp. EMI SUPPRESSION EVALUATION "BOOKSHELF" KITS

Since Fair-Rite introduced their first kit to the electronic industry in the early '70's, they have been the leader in the design and introduction of engineering evaluation kits for suppressing EMI in most electronic equipment. Fair-Rite now has available a series of "bookshelf" kits, designed to be stored on a bookshelf. These kits are application focused, easily handled and transported, and yet contain a variety of components in various materials. These kits will contain a selection of EMI suppression cores, toroids, multi layer chip beads, and components.



MOUSER STOCK NO.	Description	Price Each
Snap-It Cable Suppressor Kit		
623-019917	This kit contains 6 sizes of each in suppression materials 44 and 31 that "snap on" to installed cables. Either material in the snap-its can be used to suppress frequencies up to 500 MHz.	52.80
Chip Bead Kit		
623-019918	This kit provides 20 different chip bead parts in four different EIA standard package sizes. It includes low, medium, and high current chip beads. Also included are a selection of low, standard and high speed parts.	63.36
EMI Suppression Shield Bead Kit		
623-019919	This kit contains different EMI suppression beads ranging in hole diameters from 0.85mm to 5.0mm in both 73 and 43 materials for frequencies between 20-200 MHz.	52.80
RFID Kit		
623-019924	This kit contains 10 different size rods in 78 and 61 materials centered around 125 kHz and 13.56 MHz.	52.80
Surface Mount Bead Kit		
623-019925	This kit contains an assortment of 20 different differential and common mode surface mount suppressors in 73, 43, 44, and 61 materials. These beads attenuate conducted EMI from 1 MHz to the GHz frequencies.	52.80
Wound Bead Kit		
623-019927	This kit contains an assortment of 6 and 11 hole beads in 44 and 61 materials wound in various configurations.	52.80
Bead-on-Lead Kit		
623-019928	This kit contains 3 of the most popular bead sizes in materials 73, 43 and 61.	52.80

Fair-Rite Products Corp. EMI SHIELD BEADS

Beads with a "1" as the last digit of the part number are not burnished, those with the last digit "2" are supplied burnished to break the sharp edges.

Applications:

- Recommended suppression material of unwanted signals between 20MHz and 200MHz



DIMENSIONS (IN.)

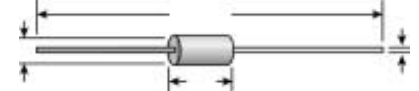
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Typical Impedance (Ω) @100MHz	Dimensions (In.)			Price Each			
		A	B	C	1	100	500	1000
623-2643000101	40	.138	.051	.128	.15	.12	.035	.030
623-2643000301	60	.138	.051	.236	.15	.12	.035	.030
623-2643000801	92	.296	.094	.297	.17	.13	.038	.035
623-2643002402	43	.380	.197	.190	.18	.14	.043	.041
623-2643540002	250	.562	.250	1.125	.56	.51	.46	.42
623-2643665702	200	.687	.375	1.125	.70	.63	.58	.52
623-2643102002	260	1.020	.505	1.125	1.67	1.51	1.38	1.25

Fair-Rite Products Corp. EMI SHIELD BEADS ON LEADS

Features:

- Beads on oxygen free, high conductivity copper with a tin/lead coating
- Offered in low frequency (73), broadband (43), and high frequency (61) material



DIMENSIONS (IN.)

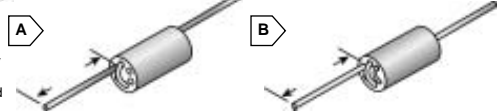
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Typical Imp. (Ω) MHz	Dimensions (In.)				Price Each				
		A	B	C	D	1	100	500	1000	
623-2743001112	68	100	.138	2.440	.175	22AWG	.12	.10	.07	.06
623-2743002112	133	100	.138	2.440	.350	22AWG	.12	.10	.07	.06
623-2761002112	168	250	.138	2.440	.350	22AWG	.18	.16	.12	.09
623-2773009112	170	25	.138	2.440	.545	22AWG	.22	.19	.14	.11
623-2743009112	220	100	.138	2.440	.545	22AWG	.12	.10	.07	.06

Fair-Rite Products Corp. WOUND EMI SHIELD BEADS

Features:

- Wire used for winding is oxygen free, high conductivity copper with a tin/lead plating.
- Offered in broadband (44) and high frequency (61) materials



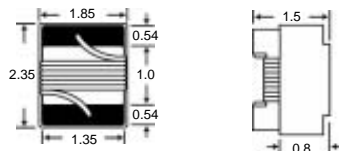
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Typical Imp. (Ω) MHz	Turns	Wire Size	Wire Length (In.)	Price Each				
						1	100	500	1000	
623-2944666661	A	470	100	1 1/2	24AWG	1.5	.30	.25	.17	.15
623-2961666661	A	405	200	1 1/2	24AWG	1.5	.40	.35	.23	.20
623-2944666671	B	850	50	2 1/2	24AWG	1.5	.31	.27	.18	.16
623-2961666671	B	845	100	2 1/2	24AWG	1.5	.41	.36	.24	.21

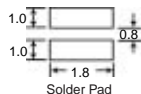
0805A SERIES WIREWOUND SMD INDUCTORS

Features:

- Soldering methods: wave, reflow, vapor phase
- Solderability: 260°C max., 10 seconds
- Operating temp.: -55°C to +125°C
- Resistance to solvent: conform to MIL-STD-202E
- Wire termination: Spot welded
- Packing: 8mm blister tape (EIA-481) on reel (ø 180mm)
- PAD-metallization: Ceramic: tungsten-nickel with gold flash
- Surface finishing: Epoxy moulded flat top for perfect component centering and vacuum pickup



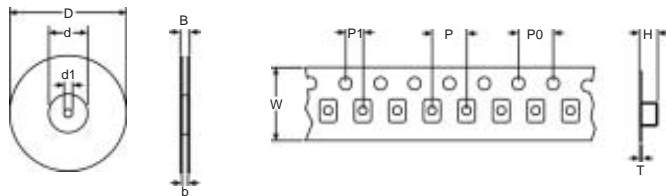
DIMENSIONS (mm)



TAPING SPECIFICATION

DIMENSIONS (mm)

Series	D	d	d1	B	b	W	P	P0	P1	H	T
0805	180	60	13	12.7	8.4	8	4	4	2	1.86	0.3
1008	180	60	13	12.7	8.4	8	4	4	2	2.3	0.3



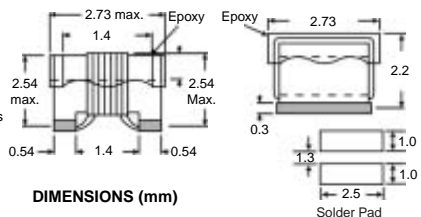
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Q (min.)	Test Freq. (MHz)	DC Res. (max.Ω)	Rated DC (mA)	SRF (MHz)	Price Each			Reel Price Each
							1	100	500	2500
434-14-2N2M	.0022	45	250	0.05	600	6000	.77	.55	.50	.41
434-14-6N8M	.0068	50	250	0.11	600	5500	.77	.55	.50	.41
434-14-022M	.022	55	250	0.22	600	2600	.77	.55	.50	.41
434-14-033M	.033	60	250	0.27	500	2050	.77	.55	.50	.41
434-14-039M	.039	60	250	0.29	500	2000	.77	.55	.50	.41
434-14-047M	.047	60	200	0.31	500	1650	.77	.55	.50	.41
434-14-056K	.056	60	200	0.34	500	1550	.77	.55	.50	.41
434-14-068K	.068	60	200	0.38	500	1450	.77	.55	.50	.41
434-14-082K	.082	65	150	0.42	500	1300	.77	.55	.50	.41
434-14-R10K	0.1	65	150	0.46	400	1200	.77	.55	.50	.41
434-14-R22K	0.22	50	100	0.8	400	850	.77	.55	.50	.41
434-14-R27K	0.27	40	100	1.5	280	820	.77	.55	.50	.41
434-14-R47K	0.47	40	100	2.5	170	720	.77	.55	.50	.41
434-14-R68K	0.68	30	50	4	170	600	.77	.55	.50	.41

1008A SERIES WIREWOUND SMD INDUCTORS

Features:

- Pad: tungsten-nickel
- Epoxy moulded flat top
- Soldering methods: wave, reflow, vapor phase
- Solderability: 260°C (max.), 10 seconds
- Operating temp.: -55°C to +125°C
- Packing: 8mm blister tape
- Resistance to solvent: conform to MIL-STD-202E



DIMENSIONS (mm)

±20% Tolerance

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Q (min.)	Test Freq. (MHz)	DC Res. (max.Ω)	Rated DC (mA)	SRF (MHz)	Price Each			Reel Price Each
							1	100	500	2000
434-07-010M	.01	30	100	0.05	1850	1000	.36	.30	.28	.25
434-07-022M	.022	40	100	0.06	1450	1000	.36	.30	.28	.25

±10% Tolerance

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Q (min.)	Test Freq. (MHz)	DC Res. (max.Ω)	Rated DC (mA)	SRF (MHz)	Price Each			Reel Price Each
							1	100	500	2000
434-07-033K	0.033	50	100	0.06	1450	1000	.36	.30	.28	.25
434-07-039K	0.039	50	100	0.075	1300	1000	.36	.30	.28	.25
434-07-047K	0.047	50	100	0.079	1300	1000	.36	.30	.28	.25
434-07-056K	0.056	50	100	0.09	1260	1000	.36	.30	.28	.25
434-07-068K	0.068	50	100	0.09	1260	1000	.36	.30	.28	.25
434-07-082K	0.082	50	100	0.15	820	1000	.36	.30	.28	.25
434-07-R10K	0.1	50	100	0.15	820	1000	.36	.30	.28	.25
434-07-R12K	0.12	40	100	0.18	820	825	.36	.30	.28	.25
434-07-R18K	0.18	40	50	0.2	770	770	.36	.30	.28	.25
434-07-R22K	0.22	40	50	0.26	660	690	.36	.30	.28	.25
434-07-R27K	0.27	40	50	0.3	610	650	.36	.30	.28	.25
434-07-R33K	0.33	40	50	0.45	500	570	.36	.30	.28	.25
434-07-R39K	0.39	35	50	0.7	360	520	.36	.30	.28	.25
434-07-R47K	0.47	35	50	0.78	310	490	.36	.30	.28	.25
434-07-R56K	0.56	35	35	1.2	260	440	.36	.30	.28	.25
434-07-R68K	0.68	35	35	2.1	200	390	.36	.30	.28	.25
434-07-R82K	0.82	35	35	2.3	170	360	.36	.30	.28	.25
434-07-1R0K	1	35	35	2.7	170	330	.36	.30	.28	.25
434-07-1R2K	1.2	35	35	3	170	310	.36	.30	.28	.25
434-07-1R5K	1.5	30	35	5.2	170	250	.36	.30	.28	.25

RFI SUPPRESSION COILS

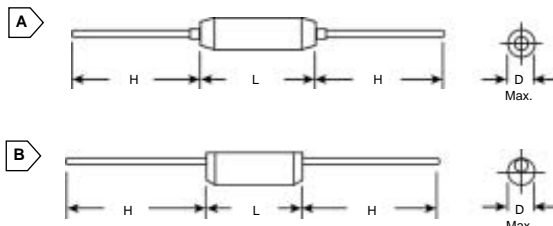
These RFI suppression coils feature inductance ranges from 1µH to 10,000µH capable of handling currents from 80mA to 12 amps. Non-standard values and tape/reel packaging are available on request.

Features:

- UL recognized and VDE approved
- Direct cross to Epcos suppression coils

Specifications:

- Operating temperature range: -55°C - +125°C
- Dielectric insulation strength: 2.5KV
- Inductive tolerance: ±20%
- Rated inductance measured at: 1MHz for L ≤ 10µH
100kHz for 10µH < L ≤ 1000µH
10kHz for L > 1000µH



E169264

For quantities 2000 and up, call for quote.

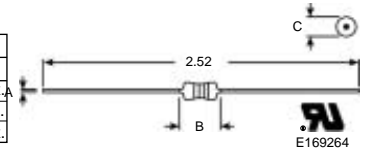
MOUSER STOCK NO.	Fig.	L (µH)	Max DC Current (A)	DCR Max (mΩ)	Dimensions (in.)			Price Each			
					L	D	H	1	100	500	1000
Miniature Suppression Coils - Iron Oxide Core											
434-08-1R0M	A	1	4.00	15	.472	.197	1.48	.41	.33	.26	.24
434-08-2R0M	A	2	3.00	45	.472	.197	1.48	.41	.33	.26	.24
434-08-3R0M	A	3	2.00	77	.472	.197	1.48	.41	.33	.26	.24
434-08-6R0M	A	6	1.50	190	.472	.197	1.48	.41	.33	.26	.24
434-08-140M	A	14	0.70	760	.472	.197	1.48	.41	.33	.26	.24
434-08-300M	A	30	0.40	2700	.472	.197	1.48	.41	.33	.26	.24
434-08-400M	A	40	0.30	4100	.472	.197	1.48	.41	.33	.26	.24
434-08-101M	A	100	0.15	19000	.472	.197	1.48	.41	.33	.26	.24
Small Suppression Coils - Iron Oxide Core											
434-09-1R0M	A	1	6.00	11	.669	.217	1.38	.45	.38	.29	.26
434-09-2R0M	A	2	4.00	20	.669	.217	1.38	.45	.38	.29	.26
434-09-3R0M	A	3	3.00	38	.669	.217	1.38	.45	.38	.29	.26
434-09-6R0M	A	6	2.00	120	.669	.217	1.38	.45	.38	.29	.26
434-09-100M	A	10	1.50	230	.669	.217	1.38	.45	.38	.29	.26
434-09-230M	A	23	0.70	730	.669	.217	1.38	.45	.38	.29	.26
434-09-161M	A	160	0.15	18000	.669	.217	1.38	.45	.38	.29	.26
Medium Suppression Coils - Iron Oxide Core											
434-10-3R0M	A	3	6.00	18	.906	.295	1.26	.46	.39	.30	.27
434-10-5R0M	A	5	4.00	34	.906	.295	1.26	.46	.39	.30	.27
434-10-100M	A	10	3.00	87	.906	.295	1.26	.46	.39	.30	.27
434-10-150M	A	15	2.00	165	.906	.295	1.26	.46	.39	.30	.27
434-10-250M	A	25	1.50	340	.906	.295	1.26	.46	.39	.30	.27
434-10-161M	A	160	0.30	6600	.906	.295	1.26	.46	.39	.30	.27
434-10-351M	A	350	0.15	19000	.906	.295	1.26	.46	.39	.30	.27
Medium Suppression Coils - Ferrite Core											
434-11-7R0M	A	7	6.00	20	.906	.295	1.26	.62	.39	.30	.27
434-11-120M	A	12	4.00	40	.906	.295	1.26	.62	.39	.30	.27
434-11-220M	A	22	3.00	70	.906	.295	1.26	.62	.39	.30	.27
434-11-400M	A	40	2.00	180	.906	.295	1.26	.62	.39	.30	.27
434-11-560M	A	56	1.50	300	.906	.295	1.26	.62	.39	.30	.27
434-11-101M	A	100	1.00	650	.906	.295	1.26	.62	.39	.30	.27
434-11-221M	A	220	0.50	2600	.906	.295	1.26	.62	.39	.30	.27
434-11-471M	A	470	0.30	6500	.906	.295	1.26	.62	.39	.30	.27
434-11-681M	A	680	0.20	14000	.906	.295	1.26	.62	.39	.30	.27
434-11-122M	A	1200	0.10	34000	.906	.295	1.26	.62	.39	.30	.27
Large Suppression Coils - Iron Oxide Core											
434-12-5R0M	A	5	6.00	23	1.10	.295	1.16	.62	.44	.40	.36
434-12-7R0M	A	7	4.00	35	1.10	.295	1.16	.62	.44	.40	.36
434-12-200M	A	20	2.00	170	1.10	.295	1.16	.62	.44	.40	.36
434-12-300M	A	30	1.50	350	1.10	.295	1.16	.62	.44	.40	.36
434-12-600M	A	60	0.70	770	1.10	.295	1.16	.62	.44	.40	.36
434-12-231M	A	230	0.30	7200	1.10	.295	1.16	.62	.44	.40	.36
434-12-471M	A	470	0.15	20000	1.10	.295	1.16	.62	.44	.40	.36
High Current Suppression Coils - Ferrite Core											
434-13-3R9M	B	3.9	12.00	0.009	1.180	.315	1.22	.85	.61	.55	.49
434-13-5R6M	A	5.6	8.00	0.017	1.030	.315	1.30	.85	.61	.55	.49
434-13-100M	A	10	5.00	0.035	1.030	.315	1.30	.85	.61	.55	.49
434-13-330M	A	33	3.50	0.07	1.030	.394	1.30	.85	.61	.55	.49
434-13-680M	A	68	3.00	0.10	1.030	.394	1.30	.85	.61	.55	.49
434-13-101M	A	100	2.50	0.15	1.030	.433	1.30	.85	.61	.55	.49
434-13-151M	A	150	1.80	0.30	1.030	.433	1.30	.85	.61	.55	.49
434-13-331M	A	330	1.40	0.50	1.030	.433	1.30	.85	.61	.55	.49
434-13-681M	A	680	1.00	1.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-102M	A	1000	0.80	1.50	1.030	.433	1.30	.85	.61	.55	.49
434-13-152M	A	1500	0.70	2.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-332M	A	3300	0.50	4.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-682M	A	6800	0.35	8.00	1.030	.433	1.30	.85	.61	.55	.49
434-13-103M	A	10000	0.30	12.00	1.030	.433	1.30	.85	.61	.55	

EPOXY CONFORMAL COATED CHOKES

These choke coils are UL recognized and feature an inductance of 0.15µH to 1000µH, capable of handling currents from 55mA to 1.35 amps. They are more economical than molded chokes and require no more board space than a 1/2 watt resistor. Tape and reel, ammo pack, and formed leads are available upon request.

- EIA color coded
- Operating temperature: IEC climatic category: 55/125/56; DIN climatic category: FKF; -55 to 125°C, humidity category F

Choke Coil Type	Dimensions (In.)		
	A	B	C
Micro Miniature	.02	.134 max.	.095 max.
Miniature	.02	.276 max.	.118 max.
Small	.024	.374 max.	.158 max.



Micro Miniature Choke Coils

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. %	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
								1	100	500	1000
434-21-1R0	1	±20	40	7.96	150	0.5	500	.35	.23	.17	.15
434-21-2R2	2.2	±20	40	7.96	45	0.4	430	.35	.23	.17	.15
434-21-2R7	2.7	±20	40	7.96	40	0.7	335	.35	.23	.17	.15
434-21-3R3	3.3	±20	40	7.96	38	0.8	325	.35	.23	.17	.15
434-21-4R7	4.7	±20	40	7.96	32	1.2	250	.35	.23	.17	.15
434-21-5R6	5.6	±20	40	7.96	30	1.3	250	.35	.23	.17	.15
434-21-6R8	6.8	±20	40	7.96	28	1.3	220	.35	.23	.17	.15
434-21-100	10	±10	40	7.96	24	2.2	180	.35	.23	.17	.15
434-21-150	15	±10	40	2.52	20	2.6	155	.35	.23	.17	.15
434-21-180	18	±10	40	2.52	18	3	150	.35	.23	.17	.15
434-21-220	22	±10	40	2.52	17	3.4	148	.35	.23	.17	.15
434-21-270	27	±10	40	2.52	16	4.3	145	.35	.23	.17	.15
434-21-330	33	±10	40	2.52	14	4.7	140	.35	.23	.17	.15
434-21-470	47	±10	40	2.52	12	5.8	120	.35	.23	.17	.15
434-21-101	100	±10	40	2.52	9	12	78	.35	.23	.17	.15

Miniature Choke Coils (cont.)

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. %	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
								1	100	500	1000
434-22-390	39	±5	60	2.52	8.5	1.21	285	.20	.13	.10	.09
434-22-470	47	±5	60	2.52	7.7	2.4	200	.20	.13	.10	.09
434-22-560	56	±5	60	2.52	6.8	2.6	195	.20	.13	.10	.09
434-22-680	68	±5	60	2.52	5.7	2.9	185	.20	.13	.10	.09
434-22-820	82	±5	60	2.52	5.5	3.2	175	.20	.13	.10	.09
434-22-101	100	±5	60	2.52	5.3	3.5	170	.20	.13	.10	.09
434-22-121	120	±5	60	0.79	5	3.8	160	.20	.13	.10	.09
434-22-151	150	±5	60	0.79	4.6	4.3	150	.20	.13	.10	.09
434-22-181	180	±5	60	0.79	4.2	5.3	135	.20	.13	.10	.09
434-22-221	220	±5	60	0.79	3.8	5.8	130	.20	.13	.10	.09
434-22-271	270	±5	60	0.79	3.2	7.8	115	.20	.13	.10	.09
434-22-331	330	±5	60	0.79	3	8.7	105	.20	.13	.10	.09
434-22-391	390	±5	60	0.79	2.7	11	95	.20	.13	.10	.09
434-22-471	470	±5	60	0.79	2.3	12	90	.20	.13	.10	.09
434-22-561	560	±5	60	0.79	2.2	16.5	75	.20	.13	.10	.09
434-22-681	680	±5	60	0.79	2	22	65	.20	.13	.10	.09
434-22-821	820	±5	60	0.79	1.8	25	60	.20	.13	.10	.09
434-22-102	1000	±5	60	0.79	1.5	33	55	.20	.13	.10	.09

Miniature Choke Coils

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. %	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
								1	100	500	1000
434-22-R15	0.15	±10	35	25.2	500	0.13	1020	.20	.13	.10	.09
434-22-R22	0.22	±10	35	25.2	420	0.16	990	.20	.13	.10	.09
434-22-R27	0.27	±10	35	25.2	380	0.17	910	.20	.13	.10	.09
434-22-R33	0.33	±10	35	25.2	330	0.2	830	.20	.13	.10	.09
434-22-R39	0.39	±10	35	25.2	300	0.22	790	.20	.13	.10	.09
434-22-R47	0.47	±10	35	25.2	280	0.25	750	.20	.13	.10	.09
434-22-R56	0.56	±10	35	25.2	260	0.28	700	.20	.13	.10	.09
434-22-R68	0.68	±10	35	25.2	240	0.48	530	.20	.13	.10	.09
434-22-R82	0.82	±10	35	25.2	230	0.55	500	.20	.13	.10	.09
434-22-1R0	1	±5	35	25.2	180	0.25	630	.20	.13	.10	.09
434-22-1R2	1.2	±5	40	7.96	170	0.25	610	.20	.13	.10	.09
434-22-1R5	1.5	±5	40	7.96	150	0.3	570	.20	.13	.10	.09
434-22-1R8	1.8	±5	40	7.96	130	0.3	540	.20	.13	.10	.09
434-22-2R2	2.2	±5	40	7.96	120	0.35	520	.20	.13	.10	.09
434-22-2R7	2.7	±5	40	7.96	110	0.4	480	.20	.13	.10	.09
434-22-3R3	3.3	±5	40	7.96	110	0.5	420	.20	.13	.10	.09
434-22-3R9	3.9	±5	40	7.96	100	0.55	400	.20	.13	.10	.09
434-22-4R7	4.7	±5	40	7.96	90	0.65	380	.20	.13	.10	.09
434-22-5R6	5.6	±5	45	7.96	75	1.3	260	.20	.13	.10	.09
434-22-6R8	6.8	±5	45	7.96	70	1.45	250	.20	.13	.10	.09
434-22-8R2	8.2	±5	50	7.96	65	1.6	240	.20	.13	.10	.09
434-22-100	10	±5	50	7.96	60	1.7	230	.20	.13	.10	.09
434-22-120	12	±5	50	2.52	50	2.4	190	.20	.13	.10	.09
434-22-150	15	±5	50	2.52	45	2.7	185	.20	.13	.10	.09
434-22-180	18	±5	60	2.52	14	0.81	350	.20	.13	.10	.09
434-22-220	22	±5	60	2.52	12	0.9	335	.20	.13	.10	.09
434-22-270	27	±5	60	2.52	11	1	315	.20	.13	.10	.09
434-22-330	33	±5	60	2.52	10	1.12	300	.20	.13	.10	.09

Small Choke Coils

For quantities 2000 and up, call for quote.

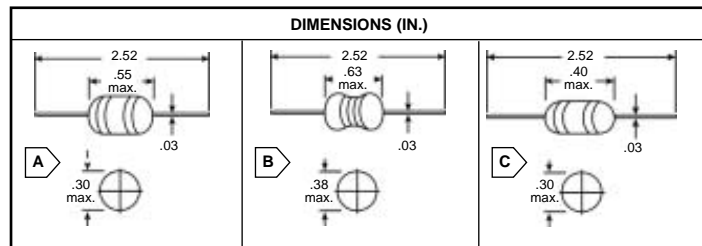
MOUSER STOCK NO.	L (µH)	Tol. %	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
								1	100	500	1000
434-23-R33	0.33	±20	45	25.2	250	0.12	1350	.20	.13	.10	.09
434-23-R47	0.47	±20	45	25.2	220	0.14	1280	.20	.13	.10	.09
434-23-R68	0.68	±20	45	25.2	200	0.16	1225	.20	.13	.10	.09
434-23-1R0	1	±10	45	25.2	205	0.16	1200	.20	.13	.10	.09
434-23-1R5	1.5	±10	50	7.96	165	0.2	1100	.20	.13	.10	.09
434-23-2R2	2.2	±10	55	7.96	140	0.25	1000	.20	.13	.10	.09
434-23-3R3	3.3	±10	60	7.96	115	0.29	900	.20	.13	.10	.09
434-23-4R7	4.7	±10	60	7.96	95	0.34	820	.20	.13	.10	.09
434-23-6R8	6.8	±10	65	7.96	75	0.51	670	.20	.13	.10	.09
434-23-100	10	±10	65	7.96	35	0.49	680	.20	.13	.10	.09
434-23-120	12	±10	50	2.52	30	0.55	650	.20	.13	.10	.09
434-23-150	15	±10	50	2.52	20	0.6	610	.20	.13	.10	.09
434-23-180	18	±10	50	2.52	17	0.67	580	.20	.13	.10	.09
434-23-220	22	±10	50	2.52	13	0.74	560	.20	.13	.10	.09
434-23-270	27	±10	55	2.52	10	0.83	530	.20	.13	.10	.09
434-23-330	33	±10	55	2.52	9	0.92	500	.20	.13	.10	.09
434-23-470	47	±10	40	2.52	7.5	1.1	450	.20	.13	.10	.09
434-23-101	100	±10	70	0.79	5	1.7	370	.20	.13	.10	.09
434-23-151	150	±10	70	0.79	4.2	2.8	280	.20	.13	.10	.09
434-23-221	220	±10	70	0.79	3.7	3.3	250	.20	.13	.10	.09
434-23-331	330	±10	70	0.79	2.7	6.4	190	.20	.13	.10	.09
434-23-471	470	±10	70	0.79	2.2	7.9	170	.20	.13	.10	.09
434-23-681	680	±10	55	0.79	1.9	10	150	.20	.13	.10	.09
434-23-102	1000	±10	50	0.79	1.6	14	130	.20	.13	.10	.09

CHOKES COILS

These choke coils feature inductances from 0.7µH to 33,000µH capable of handling currents from 50mA to 7 amps. Their ferrite cores allow smaller forms, requiring less board space. Formed, tape and reel, and ammo packaging are available upon request. Call our full service line, (800) 346-6873 for quote.

Features:

- Insulation strength: 2.0KV (epoxy coated)
- Operating temp.: -25°C to +85°C, Δ L/L (25°C) <±10%
- EIA color coded
- Axial leads
- Inductance test freq.: High current chokes: 1MHz; Low and medium current chokes: 20KHz



Low Current Chokes

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L (µH)	Tol. %	Q Min.	Test Freq. (KHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
									1	100	500	1000
434-06-102J	A	1000	±5	100	252	1.8	5.4	150	1.07	.71	.64	.60
434-06-272J	A	2700	±5	100	252	1.2	9.8	100	1.07	.71	.64	.60
434-06-332J	A	3300	±5	100	252	1.1	13	80	1.07	.71	.64	.60
434-06-392J	A	3900	±5	100	252	1	16.5	75	1.07	.71	.64	.60

Medium Current Chokes

For quantities 2000 and up, call for quote.

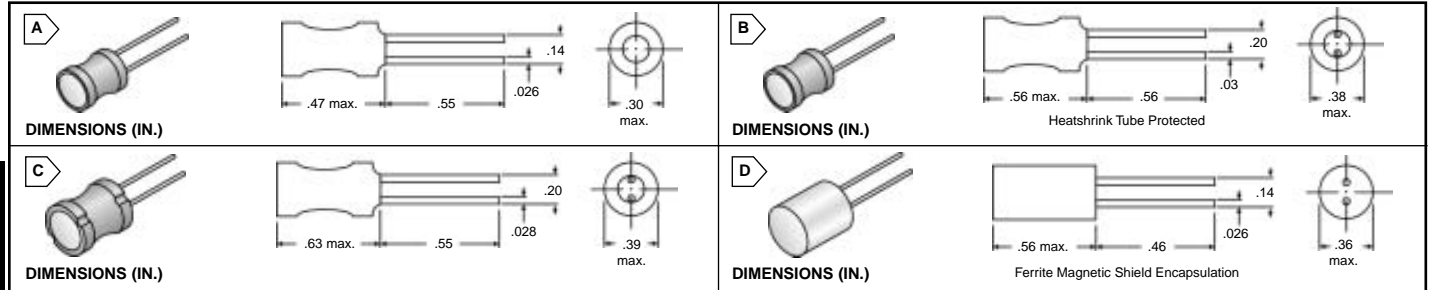
MOUSER STOCK NO.	Fig.	L (µH)	Tol. %	Q Min.	Test Freq. (KHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
									1	100	500	1000
434-15-331K	B	330	±10	35	796	1.4	1.4	500	.80	.53	.39	.35</

Pluggable and Epoxy Dipped Coils



RADIAL PLUGGABLE COILS

- Features:**
- All 5% inductance tolerance
 - Multi-layer windings on ferrite cores
 - Heatshrink tube protected or ferrite magnetic shielded
 - Sturdy pluggable radial construction with solder dipped leads
 - Wide selection of medium to high inductances



.28" For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Inductance @ 20 kHz		Q Min.	Test Freq. (kHz)	Res. Freq. (kHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
		μH	mH						1	100	500	1000
434-17-681J	A	680	0.68	80	796	2300	3.7	170	.80	.53	.39	.35
434-17-821J	A	820	0.82	80	796	2100	4.1	160	.80	.53	.39	.35
434-17-102J	A	1000	1	100	252	1800	5.4	150	.80	.53	.39	.35
434-17-122J	A	1200	1.2	100	252	1600	5.8	140	.80	.53	.39	.35
434-17-152J	A	1500	1.5	100	252	1500	6.5	130	.80	.53	.39	.35
434-17-182J	A	1800	1.8	100	252	1400	7.5	120	.80	.53	.39	.35
434-17-222J	A	2200	2.2	100	252	1300	8.8	110	.80	.53	.39	.35
434-17-272J	A	2700	2.7	100	252	1200	9.8	100	.80	.53	.39	.35
434-17-332J	A	3300	3.3	100	252	1100	13	80	.80	.53	.39	.35
434-17-392J	A	3900	3.9	100	252	1000	16.5	75	.80	.53	.39	.35
434-17-472J	A	4700	4.7	100	252	900	18.5	70	.80	.53	.39	.35
434-17-562J	A	5600	5.6	100	252	800	21	60	.80	.53	.39	.35
434-17-682J	A	6800	6.8	100	252	700	29	55	.80	.53	.39	.35
434-17-822J	A	8200	8.2	100	252	650	33	50	.80	.53	.39	.35

.43" For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Inductance @ 20 kHz		Q Min.	Test Freq. (kHz)	Res. Freq. (kHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
		μH	mH						1	100	500	1000
434-03-103J	C	10000	10	50	79.6	350	23	110	1.05	.89	.51	.46
434-03-123J	C	12000	12	50	79.6	320	24	100	1.05	.89	.51	.46
434-03-153J	C	15000	15	50	79.6	290	28	90	1.05	.89	.51	.46
434-03-183J	C	18000	18	50	79.6	280	34	85	1.05	.89	.51	.46
434-03-223J	C	22000	22	50	79.6	250	39	80	1.05	.89	.51	.46
434-03-273J	C	27000	27	50	79.6	210	48	70	1.05	.89	.51	.46
434-03-333J	C	33000	33	50	79.6	200	56	65	1.05	.89	.51	.46
434-03-393J	C	39000	39	50	79.6	190	62	60	1.05	.89	.51	.46
434-03-473J	C	47000	47	50	79.6	180	73	55	1.05	.89	.51	.46
434-03-563J	C	56000	56	50	79.6	140	115	50	1.05	.89	.51	.46
434-03-683J	C	68000	68	50	79.6	130	120	50	1.05	.89	.51	.46
434-03-823J	C	82000	82	50	79.6	120	150	45	1.05	.89	.51	.46
434-03-104J	C	100000	100	50	25.2	110	155	40	1.05	.89	.51	.46
434-03-124J	C	120000	120	50	25.2	90	200	35	1.05	.89	.51	.46
434-03-154J	C	150000	150	50	25.2	80	205	35	1.05	.89	.51	.46

.35" For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Inductance @ 20 kHz		Q Min.	Test Freq. (kHz)	Res. Freq. (kHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
		μH	mH						1	100	500	1000
434-01-101J	B	100	0.1	40	796	5000	0.3	790	.95	.63	.45	.41
434-01-151J	B	150	0.15	40	796	4000	0.4	650	.95	.63	.45	.41
434-01-221J	B	220	0.22	30	796	3300	0.5	530	.95	.63	.45	.41
434-01-331J	B	330	0.33	35	796	2700	1	500	.95	.63	.45	.41
434-01-391J	B	390	0.39	35	796	2500	1.1	460	.95	.63	.45	.41
434-01-471J	B	470	0.47	35	796	2300	1.3	420	.95	.63	.45	.41
434-01-561J	B	560	0.56	35	796	2000	1.5	400	.95	.63	.45	.41
434-01-681J	B	680	0.68	35	796	1900	1.9	350	.95	.63	.45	.41
434-01-821J	B	820	0.82	35	796	1700	2.2	310	.95	.63	.45	.41
434-01-102J	B	1000	1	70	252	1600	2.6	280	.95	.63	.45	.41
434-01-122J	B	1200	1.2	70	252	1400	3	250	.95	.63	.45	.41
434-01-152J	B	1500	1.5	70	252	1200	5.1	220	.95	.63	.45	.41
434-01-182J	B	1800	1.8	70	252	1100	5.6	200	.95	.63	.45	.41
434-01-222J	B	2200	2.2	70	252	1000	7	180	.95	.63	.45	.41
434-01-272J	B	2700	2.7	70	252	900	8	170	.95	.63	.45	.41
434-01-332J	B	3300	3.3	70	252	800	9	150	.95	.63	.45	.41
434-01-392J	B	3900	3.9	70	252	750	10	140	.95	.63	.45	.41
434-01-472J	B	4700	4.7	70	252	650	11.5	130	.95	.63	.45	.41
434-01-562J	B	5600	5.6	70	252	630	15	120	.95	.63	.45	.41
434-01-682J	B	6800	6.8	70	252	570	17	110	.95	.63	.45	.41
434-01-822J	B	8200	8.2	70	252	500	20	100	.95	.63	.45	.41
434-01-103J	B	10000	10	70	79	410	35	90	.95	.63	.45	.41
434-01-123J	B	12000	12	70	79	380	40	80	.95	.63	.45	.41
434-01-153J	B	15000	15	70	79	350	45	70	.95	.63	.45	.41
434-01-183J	B	18000	18	70	79	340	50	65	.95	.63	.45	.41
434-01-223J	B	22000	22	70	79	300	58	60	.95	.63	.45	.41
434-01-273J	B	27000	27	70	79	290	70	55	.95	.63	.45	.41
434-01-333J	B	33000	33	70	79	260	75	50	.95	.63	.45	.41

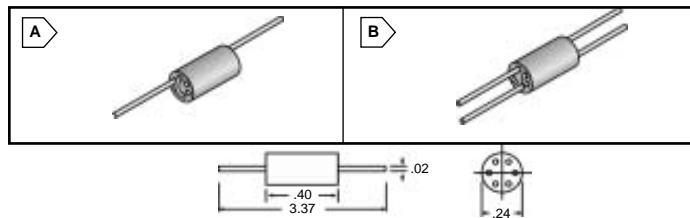
.39", Magnetic Shielded

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Inductance @ 20 kHz		Q Min.	Test Freq. (kHz)	Res. Freq. (kHz)	DCR Max. (Ω)	Max DC Current (mA)	Price Each			
		μH	mH						1	100	500	1000
434-02-102J	D	1000	1	70	796	2040	3.4	90	1.20	.99	.58	.53
434-02-122J	D	1200	1.2	70	252	1800	3.7	75	1.20	.99	.58	.53
434-02-152J	D	1500	1.5	70	252	1350	4	70	1.20	.99	.58	.53
434-02-182J	D	1800	1.8	70	252	1150	4.5	65	1.20	.99	.58	.53
434-02-222J	D	2200	2.2	70	252	1400	5.2	60	1.20	.99	.58	.53
434-02-272J	D	2700	2.7	70	252	1000	5.8	55	1.20	.99	.58	.53
434-02-332J	D	3300	3.3	100	252	1100	6.1	50	1.20	.99	.58	.53
434-02-392J	D	3900	3.9	100	252	990	7.2	45	1.20	.99	.58	.53
434-02-472J	D	4700	4.7	100	252	870	7.5	40	1.20	.99	.58	.53
434-02-562J	D	5600	5.6	100	252	750	8.4	40	1.20	.99	.58	.53
434-02-682J	D	6800	6.8	100	252	758	9.7	35	1.20	.99	.58	.53
434-02-822J	D	8200	8.2	100	252	600	10.4	30	1.20	.99	.58	.53
434-02-103J	D	10000	10	100	79	700	12.1	25	1.20	.99	.58	.53
434-02-123J	D	12000	12	100	79	450	13	25	1.20	.99	.58	.53
434-02-153J	D	15000	15	100	79	400	15	25	1.20	.99	.58	.53
434-02-183J	D	18000	18	100	79	525	17	22	1.20	.99	.58	.53
434-02-223J	D	22000	22	100	79	460	19.5	21	1.20	.99	.58	.53
434-02-273J	D	27000	27	100	79	400	22	18	1.20	.99	.58	.53
434-02-333J	D	33000	33	100	79	350	26	17	1.20	.99	.58	.53
434-02-393J	D	39000	39	100	79	350	45	15	1.20	.99	.58	.53
434-02-473J	D	47000	47	100	79	300	52	13	1.20	.99	.58	.53
434-02-563J	D	56000	56	100	79	250	58	12	1.20	.99	.58	.53
434-02-683J	D	68000	68	100	79	220	66	12	1.20	.99	.58	.53
434-02-823J	D	82000	82	100	79	200	71	10	1.20	.99	.58	.53



WIDEBAND CHOKES



Specifications:

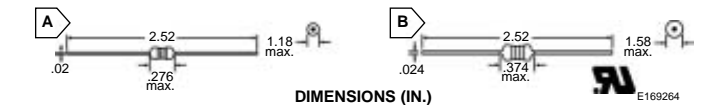
- 6 hole ferrite core
- 1.5" 24AWG leads

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Winding	Impedance Min. (Ω)				Price Each			
			10MHz	50MHz	100MHz	200MHz	1	100	500	1000
434-6H-351	A	1.5	170	320	375	---	.39	.35	.25	.23
434-6H-451	A	1.5	---	350	490	300	.39	.35	.25	.23
434-6H-751	A	2.5	320	680	580	---	.39	.35	.25	.23
434-6H-851	A	2.5	---	800	575	250	.39	.35	.25	.23
434-6H-901	B	2x1.5	170	320	375	---	.39	.35	.25	.23
434-6H-102	B	2x1.5	---	350	490	300	.39	.35	.25	.23

EPOXY CONFORMAL COATED CHOKE KITS

- Specifications:**
- Solderability: according to MIL-STD-202F method 208D
 - Operating temperature: IEC climatic category: 55/125/56
DIN climatic category: FKf: -55°C to 125°C, humidity category F
 - Product assurance: according to MIL-STD-790
 - EIA color coded



MOUSER STOCK NO.	Fig.	Range of Values	Pieces in Kit	List of Values (μH)		Price Each
				10 each:	240	
370-MICC	A	.15μH to 1000μH	240	.15, .22, .33, .47, .68, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10, 15, 22, 33, 47, 68, 100, 150, 220, 330, 470, 680, 1000μH	89.95	
370-SMCC	B	.33μH to 1000μH	240	.33, .47, .68, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10, 12, 15, 18, 22, 27, 33, 47, 100, 150, 220, 330, 470, 680, and 1000μH	89.95	

HiQ Antennas, Ferrite Chip Beads and Wirewound Inductors



HiQ FERRITE CHIP BEADS

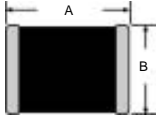
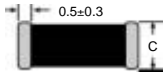
Ferrite Chip Beads provide an effective means of EMI/RFI attenuation for electronic equipment. These items are specially designed for flow, reflow, and wave soldering applications.

Specifications:

- Impedance tolerance: ±25%
- Operating temperature: -25°C to 85°C
- Storage temperature: -40°C to 85°C

EIA SIZE	Dimensions (mm)		
	A	B	C
0805	2.0±0.2	1.25±0.2	0.9±0.2
* 1206	3.2±0.2	1.6±0.2	1.1±0.2
1210	3.2±0.2	2.5±0.2	1.3±0.2
1806	4.5±0.25	1.6±0.2	1.6±0.2
1812	4.5±0.25	3.2±0.2	1.5±0.2

Stock Number: 436-2600 dimension *C = .16±0.2



DIMENSIONS (mm)

MOUSER STOCK NO.	EIA Size	Imped. (Ω) @ 100MHz	DC Resist. (Ω) max.	Rated Current (mA) max.	Price Each			Reel Qty.	Reel Price Each
					1	100	500		
436-0110	0603	11	.05	500	.07	.065	.055	4000	.053
436-0190	0603	19	.08	500	.07	.065	.055	4000	.053
436-0300	0603	30	.10	400	.07	.065	.055	4000	.053
436-0400	0603	40	.10	400	.07	.065	.055	4000	.053
436-0600	0603	60	.10	300	.07	.065	.055	4000	.053
436-0800	0603	80	.15	300	.07	.065	.055	4000	.053
436-0121	0603	120	.25	300	.07	.065	.055	4000	.053
436-0221	0603	220	.30	200	.07	.065	.055	4000	.053
436-0301	0603	300	.40	200	.07	.065	.055	4000	.053
436-0451	0603	450	.50	200	.07	.065	.055	4000	.053
436-0601	0603	600	.50	200	.07	.065	.055	4000	.053
436-0751	0603	750	.70	200	.07	.065	.055	4000	.053
436-0102	0603	1000	.70	200	.07	.065	.055	4000	.053
436-0152	0603	1500	1.0	50	.07	.065	.055	4000	.053
436-0222	0603	2200	1.2	50	.09	.085	.065	4000	.053
436-1070	0805	7	.10	600	.09	.085	.065	4000	.053
436-1090	0805	9	.10	600	.09	.085	.065	4000	.053
436-1110	0805	11	.10	600	.09	.085	.065	4000	.042
436-1170	0805	17	.10	600	.09	.085	.065	4000	.053
436-1320	0805	32	.10	600	.09	.085	.065	4000	.053
436-1600	0805	60	.15	500	.09	.085	.065	4000	.053
436-1700	0805	70	.15	500	.09	.085	.065	4000	.053
436-1800	0805	80	.15	500	.09	.085	.065	4000	.053
436-1121	0805	120	.60	200	.09	.085	.065	4000	.042
436-1151	0805	150	.50	300	.09	.085	.065	4000	.042
436-1221	0805	220	.30	300	.09	.085	.065	4000	.053
436-1301	0805	300	.30	300	.09	.085	.065	4000	.053
436-1401	0805	400	.30	300	.09	.085	.065	4000	.053
436-1501	0805	500	.40	300	.09	.085	.065	4000	.053
436-1601	0805	600	1.0	200	.09	.085	.065	4000	.042
436-1751	0805	750	.50	200	.09	.085	.065	4000	.053
436-1102	0805	1000	.50	200	.09	.085	.065	4000	.053
436-1152	0805	1500	.60	200	.09	.085	.065	4000	.053
436-1202	0805	2000	.80	100	.09	.085	.065	4000	.053
436-1222	0805	2200	1.0	100	.09	.085	.065	4000	.053
436-2320	1206	32	.15	500	.09	.085	.065	3000	.042
436-2600	1206	60	.50	200	.09	.085	.065	2000	.042
* 436-2601	1206	600	.40	200	.09	.085	.065	3000	.042
436-3600	1210	60	.30	400	.09	.085	.065	2500	.048
436-4800	1806	80	.30	400	.09	.085	.072	2000	.066
436-4151	1806	150	.50	200	.09	.085	.072	2000	.066
436-5121	1812	120	.40	300	.10	.089	.085	1000	.081

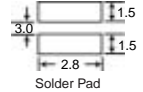
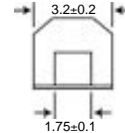
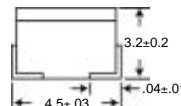
HiQ 1812 MAGNETIC SHIELDED WIREWOUND SMD INDUCTORS

Specifications:

- Temperature rise: 20°C (max.)
- Ambient temperature: 80°C (max.)
- Operating temperature: -20°C to +100°C
- Storage temperature: -40°C to +100°C

Features:

- Very strong solderability
- Can be mounted automatically
- Terminals are highly resistant to pull forces
- Highly resistant to mechanical shocks and pressure

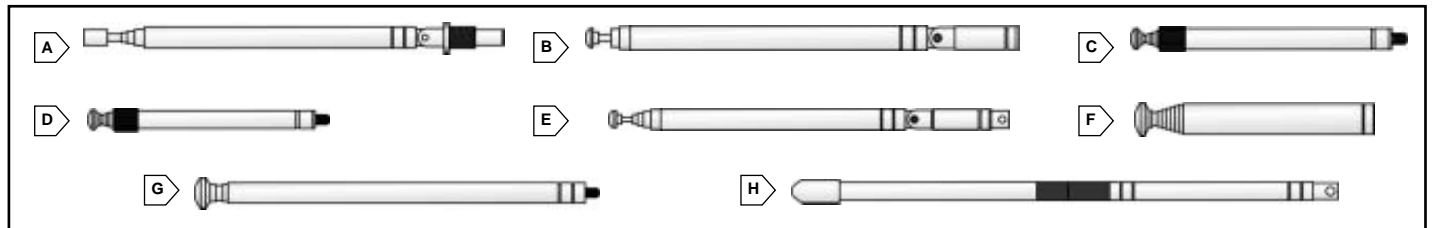


DIMENSIONS (mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q (min.)	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated DC (mA)	Price Each			Reel Price Each
							1	10	100	
435-18-R10M	0.10	28	25.2	700	0.44	450	.84	.65	.49	.40
435-18-R15M	0.15	30	25.2	450	0.25	450	.84	.65	.49	.40
435-18-R22M	0.22	30	25.2	350	0.32	450	.84	.65	.49	.40
435-18-R33M	0.33	30	25.2	300	0.40	450	.84	.65	.49	.40
435-18-R47M	0.47	30	25.2	220	0.50	450	.84	.65	.49	.40
435-18-R68M	0.68	30	25.2	160	0.60	450	.84	.65	.49	.40
435-18-1R0M	1.0	50	7.96	100	0.50	450	.84	.65	.49	.40
435-18-1R2M	1.2	50	7.96	80	0.55	430	.84	.65	.49	.40
435-18-1R5M	1.5	50	7.96	70	0.60	410	.84	.65	.49	.40
435-18-1R8M	1.8	50	7.96	60	0.65	390	.84	.65	.49	.40
435-18-2R2M	2.2	50	7.96	55	0.70	380	.84	.65	.49	.40
435-18-2R7M	2.7	50	7.96	50	0.75	370	.84	.65	.49	.40
435-18-3R3M	3.3	50	7.96	45	0.80	355	.84	.65	.49	.40
435-18-4R7M	4.7	50	7.96	35	1.00	315	.84	.65	.49	.40
435-18-5R6M	5.6	50	7.96	33	1.10	300	.84	.65	.49	.40
435-18-6R8M	6.8	50	7.96	27	1.20	285	.84	.65	.49	.40
435-18-8R2K	8.2	50	7.96	25	1.40	270	.84	.65	.49	.40
435-18-100K	10	50	2.52	20	1.60	250	.84	.65	.49	.40
435-18-120K	12	50	2.52	18	2.00	225	.84	.65	.49	.40
435-18-150K	15	50	2.52	17	2.50	200	.84	.65	.49	.40
435-18-180K	18	50	2.52	15	2.80	190	.84	.65	.49	.40
435-18-220K	22	50	2.52	13	3.20	180	.84	.65	.49	.40
435-18-270K	27	50	2.52	12	3.60	170	.84	.65	.49	.40
435-18-330K	33	50	2.52	11	4.00	160	.84	.65	.49	.40
435-18-470K	47	50	2.52	10	5.00	140	.84	.65	.49	.40
435-18-560K	56	50	2.52	9	5.50	135	.84	.65	.49	.40
435-18-101K	100	40	0.796	7	8.00	110	.84	.65	.49	.40
435-18-151K	150	40	0.796	5	9.00	105	.84	.65	.49	.40
435-18-181K	180	40	0.796	5	9.50	102	.84	.65	.49	.40
435-18-211K	220	40	0.796	4	12.00	100	.84	.65	.49	.40
435-18-331K	330	30	0.796	3	20.00	85	.84	.65	.49	.40
435-18-471K	470	30	0.796	3	26.00	62	.84	.65	.49	.40
435-18-681K	680	30	0.796	2	40.00	50	.84	.65	.49	.40
435-18-102K	1000	30	0.796	2	50.00	30	.84	.65	.49	.40

HIQ ANTENNAS



* 48SM026 - Screw for 43AR103 and 43AR106

† 48SM003 - Screw for 43AR105 and 430-1002

Telescoping

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)		Dia. (In.)	Sect.	Thread Size D x P (mm)	Price Each			
		Extended	Collapsed				1	10	100	500
430-1000	A	31.5	8.0	0.240	5	-----	3.84	3.49	3.18	2.89
430-1002	B	25.8	7.0	0.236	5	3.0 x 0.50†	4.03	3.59	3.30	3.04
430-1033	C	13.0	3.2	0.236	6	3.0 x 0.50	3.73	3.36	3.09	2.84
430-1096	D	17.6	3.58	0.236	6	3.0 x 0.50	3.73	3.36	3.09	2.84
430-1415	E	34.6	6.89	0.236	6	-----	4.03	3.59	3.30	3.08

Telescoping

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)		Dia. (In.)	Sect.	Thread Size D x P (mm)	Price Each			
		Extended	Collapsed				1	10	100	500
43AR103	F	19.8	3.6	.32	8	2.6 x 0.45*	2.39	1.99	1.79	1.62
43AR104	G	20.5	6.0	.17	4	3.0 x 0.50	1.56	1.17	1.07	.98
43AR105	F	33.3	5.8	.28	7	3.0 x 0.50†	2.63	2.19	1.99	1.86
43AR106	F	19.0	4.25	.24	6	2.6 x 0.45*	1.38	1.13	1.04	.95

Flexible

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)		Base Dia. (In.)	Imped. (Ω)	Resonant Freq. MHz	Price Each			
		Rigid	Flexible				1	10	100	500
430-1031	H	3.9	5.75	0.236	50	49	7.75	6.90	6.35	5.84

Hi-Q Epoxy Coated, Molded, and RF Chokes and Tunable Coils

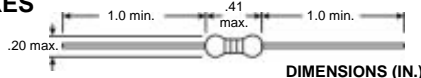


HiQ MINIATURE EPOXY COATED CHOKES

For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.41	.31	.24	.20

- Smaller than 1/2 watt resistor
- Moisture resistant
- EIA color code



DIMENSIONS (IN.)

MOUSER STOCK NO.	L (µH)	Tol. ±%	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LS227	.22	10	50	25.2	300.0	.12	1400
43LS337	.33	10	55	25.2	250.0	.14	1280
43LS477	.47	10	50	25.2	220.0	.17	1150
43LS687	.68	10	55	25.2	190.0	.20	1030
43LS106	1.00	5	45	25.2	157.0	.21	920
43LS126	1.20	5	50	7.96	144.0	.22	880
43LS156	1.50	5	50	7.96	131.0	.23	830
43LS226	2.20	5	55	7.96	110.0	.28	750
43LS276	2.70	5	60	7.96	100.0	.30	720

MOUSER STOCK NO.	L (µH)	Tol. ±%	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LS336	3.30	5	65	7.96	94.0	.34	670
43LS476	4.70	5	70	7.96	56.0	.39	620
43LS566	5.60	5	70	7.96	50.0	.43	590
43LS686	6.80	5	75	7.96	40.0	.49	550
43LS105	10.00	5	65	7.96	30.0	.63	500
43LS125	12.00	5	55	2.52	25.0	.65	480
43LS155	15.00	5	55	2.52	20.0	.81	460
43LS185	18.00	5	50	2.52	14.0	.82	430
43LS225	22.00	5	50	2.52	9.0	.95	410

MOUSER STOCK NO.	L (µH)	Tol. ±%	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LS275	27.00	5	45	2.52	7.0	1.05	390
43LS335	33.00	5	45	2.52	6.0	1.05	370
43LS395	39.00	5	45	2.52	6.0	1.10	350
43LS475	47.00	5	40	2.52	6.0	1.31	340
43LS565	56.00	5	40	2.52	5.5	1.38	320
43LS685	68.00	5	40	2.52	5.0	1.62	305
43LS825	82.00	5	35	2.52	5.0	1.71	290
43LS104	100.00	5	30	2.52	4.5	2.10	275
43LS154	150.00	5	55	.796	3.0	3.45	175
43LS224	220.00	5	60	.796	2.5	4.54	155
43LS334	330.00	5	60	.796	2.0	6.40	137
43LS474	470.00	5	60	.796	1.9	7.70	126
43LS564	560.00	5	60	.796	1.8	8.50	120
43LS103	1000.00	5	40	.796	1.0	14.00	100

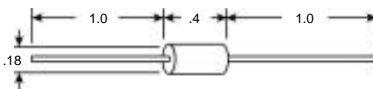
HiQ QUALITY MOLDED CHOKES

For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.65	.59	.54	.49

- Specifications:**
- Moisture resistant
 - Tolerance: ±10%

• Smaller than 1/2 watt resistor



DIMENSIONS (IN.)



MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43HH106	1.0	50	25.2	200	0.29	785
43HH226	2.2	33	7.9	135	0.95	435
43HH276	2.7	33	7.9	120	1.20	385
43HH336	3.3	33	7.9	110	2.00	300
43HH476	4.7	33	7.9	90	2.60	260
43HH105	10	55	7.9	45	0.90	290

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43HH155	15	65	2.5	40	1.40	240
43HH225	22	75	2.5	30	2.50	175
43HH335	33	65	2.5	19	3.00	165
43HH395	39	60	2.5	14.5	2.60	176
43HH475	47	55	2.5	13.0	2.75	170
43HH685	68	55	2.5	11.0	3.30	156

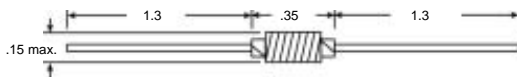
MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43HH825	82	50	2.5	10.3	3.90	143
43HH104	100	50	2.5	9.5	4.50	133
43HH154	150	65	0.79	8.0	6.05	114
43HH224	220	65	0.79	6.2	7.45	103
43HH474	470	65	0.79	3.9	17.9	100
43HH103	1000	55	0.79	2.3	33.1	74

HiQ SUB-MINIATURE RF CHOKES

For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.38	.26	.24	.22

- Inductive tolerance: .10 to 1.0µH ±20%
- 1.2 to 1000µH ±10%
- Varnished dipped
- Core materials: Ferrite

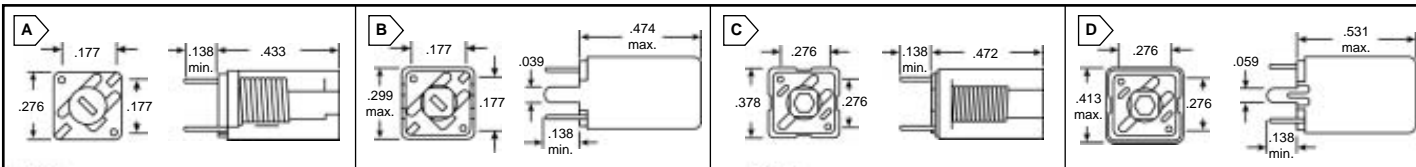


DIMENSIONS (IN.)

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LQ107	.10	45	25.2	575	.025	2828
43LQ157	.15	45	25.2	500	.03	2582
43LQ227	.22	45	25.2	400	.04	2236
43LQ337	.33	45	25.2	325	.075	1633
43LQ477	.47	45	25.2	275	.15	1154
43LQ687	.68	45	25.2	225	.25	894
43LQ757	.75	45	25.2	200	.275	852
43LQ827	.82	45	25.2	175	.30	816
43LQ106	1.0	40	7.96	125	.36	745
43LQ126	1.2	40	7.96	100	1.0	1414
43LQ156	1.5	40	7.96	95	.115	1318
43LQ186	1.8	40	7.96	85	.12	1290
43LQ226	2.2	40	7.96	83	.165	1100

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LQ276	2.7	40	7.96	75	.185	1039
43LQ336	3.3	35	7.96	65	.275	852
43LQ396	3.9	35	7.96	60	.30	816
43LQ476	4.7	35	7.96	55	.465	655
43LQ566	5.6	35	7.96	50	.50	632
43LQ686	6.8	35	7.96	50	.625	565
43LQ826	8.2	35	7.96	40	.75	516
43LQ105	10.0	35	7.96	30	1.50	365
43LQ185	18.0	30	2.52	14	1.71	278
43LQ225	22.0	30	2.52	10	1.88	225
43LQ275	27.0	30	2.52	7	2.03	200
43LQ335	33.0	30	2.52	5	2.39	196
43LQ475	47.0	30	2.52	4.0	2.78	186

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LQ565	56.0	30	2.52	3.8	3.06	179
43LQ685	68.0	30	2.52	3.5	3.42	170
43LQ104	100.0	30	.796	3.0	4.35	136
43LQ124	120.0	30	.796	2.5	4.14	115
43LQ154	150.0	30	.796	2.5	4.85	104
43LQ184	180.0	30	.796	2.2	5.00	95
43LQ224	220.0	30	.796	2.0	5.87	83.5
43LQ274	270.0	30	.796	1.5	8.06	77
43LQ334	330.0	30	.796	1.4	8.50	69
43LQ394	390.0	30	.796	1.4	9.31	60
43LQ474	470.0	30	.796	1.2	13.9	51
43LQ564	560.0	30	.796	1.1	15.1	48
43LQ684	680.0	30	.796	1.1	15.7	40.25
43LQ824	820.0	30	.796	1.0	18.5	32
43LQ103	1000.0	30	.796	.9	22.2	30



HiQ 7mm (.276") TUNABLE COILS

- Core material: ferrite
- L min. measured with no core
- Core size: .126 x .236
- Wire: AWG #24 S.P.

Unshielded

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	L (min.) µH	L (nom.) µH	L (max.) µH	Q (min.)	Test Freq. (MHz)	Price Each		
								1	100	500
434-0712-1.5C	A	Brown	.035	.037	.039	70	50	.44	.29	.26
434-0712-2.5C	A	Red	.064	.072	.080	55	50	.44	.29	.26
434-0712-3.5C	A	Orange	.085	.095	.100	80	50	.44	.29	.26
434-0712-4.5C	A	Yellow	.119	.133	.146	60	25.2	.44	.29	.26
434-0712-5.5C	A	Green	.153	.170	.187	65	25.2	.44	.29	.26
434-0712-6.5C	A	Blue	.198	.220	.240	60	25.2	.44	.29	.26
434-0712-8.5C	A	Gray	.270	.300	.330	55	25.2	.44	.29	.26
434-0712-10.5C	A	Black	.432	.480	.528	60	25.2	.44	.29	.26

Shielded

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	L (min.) µH	L (nom.) µH	L (max.) µH	Q (min.)	Test Freq. (MHz)	Price Each		
								1	100	500
434-0712-1.5CS	B	Brown	.032	.034	.035	55	50	.60	.40	.37
434-0712-2.5CS	B	Red	.048	.054	.059	60	50	.60	.40	.37
434-0712-3.5CS	B	Orange	.065	.072	.079	60	50	.60	.40	.37
434-0712-4.5CS	B	Yellow	.090	.100	.109	45	25.2	.60	.40	.37
434-0712-5.5CS	B	Green	.109	.122	.132	45	25.2	.60	.40	.37
434-0712-6.5CS	B	Blue	.130	.145	.159	50	25.2	.60	.40	.37
434-0712-8.5CS	B	Gray	.171	.190	.209	45	25.2	.60	.40	.37
434-0712-10.5CS	B	Black	.270	.300	.330	50	25.2	.60	.40	.37

HiQ 10mm (.394") TUNABLE COILS

- Core material: carbonyl J
- L min. measured with no core
- Core size: .18 x .236
- Wire: AWG #22 S.P.

Unshielded

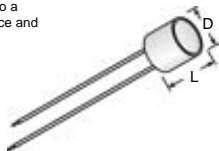
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	L (min.) µH	L (nom.) µH	L (max.) µH	Q (min.)	Test Freq. (MHz)	Price Each		
								1	100	500
434-1012-1.5C	C	Brown	.041	.042	.044	65	50	.44	.29	.26
434-1012-2.5C	C	Red	.070	.078	.085	90	50	.44	.29	.26
434-1012-3.5C	C	Orange	.108	.120	.132	80	50	.44	.29	.26
434-1012-4.5C	C	Yellow	.144	.160	.176	80	25.2	.44	.29	.26
434-1012-5.5C	C	Green	.172	.192	.211	90	25.2	.44	.29	.26
434-1012-6.5C	C	Blue	.230	.260	.286	80	25.2	.44	.29	.26
434-1012-8.5C	C	Gray	.333	.370	.407	95	25.2	.44	.29	.26
434-1012-10.5C	C	Black	.							

Chokes and Coils

HiQ ECONOMY ENCAPSULATED RF CHOKES

Miniature fixed inductor wound on a ferrite core and resin encapsulated into a molded plastic case. These RF chokes exhibit excellent moisture resistance and vibration endurance.



For quantities 2000 and up, call for quote.

Series	Dim. (in.)		Price Each			
	L	D	1	100	500	1000
434-1120	.51	.35	.99	.75	.69	.65
43LH	.55	.41	1.15	.99	.79	.75
43LJ	.63	.5	1.18	.90	.82	.74

434-1120 Series

• Temperature: -25°C to +85°C

MOUSER STOCK NO.	L		Tolerance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
	(μH)	(mH)						
434-1120-220L	22	.022	±15%	30	2.52	11.0	0.3	600
434-1120-330L	33	.033	±15%	30	2.52	9.7	0.35	500
434-1120-680L	68	.068	±15%	30	2.52	7.1	0.6	378
434-1120-101L	100	.100	±15%	50	.796	5.9	1.0	300
434-1120-151L	150	.150	±15%	50	.796	5.0	1.3	300
434-1120-221L	220	.220	±15%	50	.796	4.1	2.0	200
434-1120-331L	330	.330	±15%	50	.796	3.3	2.8	150
434-1120-561L	560	.560	±15%	50	.796	2.6	4.0	150
434-1120-103K	1000	1.000	±10%	80	.252	1.8	5.5	100
434-1120-123K	1200	1.200	±10%	80	.252	1.6	6.0	100
434-1120-153K	1500	1.500	±10%	80	.252	1.45	7.0	100
434-1120-223K	2200	2.200	±10%	80	.252	1.1	9.0	100
434-1120-393K	3900	3.900	±10%	80	.252	0.74	15.0	87
434-1120-473K	4700	4.700	±10%	80	.252	0.63	20.0	80
434-1120-104K	10,000	10.000	±10%	80	.0796	0.21	40.0	58
434-1120-124K	12,000	12.000	±10%	80	.0796	0.11	45.0	50

43LH Series

• Temperature: -25°C to +85°C

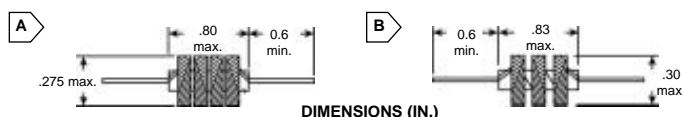
MOUSER STOCK NO.	L		Tolerance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
	(μH)	(mH)						
43LH210	1000	1.0	±10%	60	.252	1.40	2.5	250
43LH212	1200	1.2	±10%	75	.252	1.30	3.0	250
43LH215	1500	1.5	±10%	75	.252	1.10	5.0	150
43LH218	1800	1.8	±10%	75	.252	1.00	5.5	150
43LH222	2200	2.2	±10%	75	.252	0.90	7.0	150
43LH227	2700	2.7	±10%	75	.252	0.80	8.0	150
43LH233	3300	3.3	±10%	75	.252	0.70	9.0	150
43LH239	3900	3.9	±10%	75	.252	0.68	10.0	150
43LH247	4700	4.7	±10%	60	.252	0.65	11.5	100
43LH268	6800	6.8	±10%	45	.252	0.45	16.8	100
43LH282	8200	8.2	±10%	45	.252	0.40	19.5	100
43LH310	10000	10.0	±10%	80	.0796	0.35	34.0	50
43LH312	12000	12.0	±10%	80	.0796	0.33	39.0	50
43LH322	22000	22.0	±10%	80	.0796	0.25	57.0	50
43LH327	27000	27.0	±10%	80	.0796	0.20	70.0	50
43LH333	33000	33.0	±10%	80	.0796	0.19	75.0	50

43LJ Series

• Temperature: -25°C to +85°C

MOUSER STOCK NO.	L		Tolerance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
	(μH)	(mH)						
43LJ310	10000	10.0	±10%	100	.0796	0.30	22.0	100
43LJ312	12000	12.0	±10%	100	.0796	0.25	23.0	100
43LJ315	15000	15.0	±10%	100	.0796	0.20	27.0	100
43LJ318	18000	18.0	±10%	60	.0796	0.19	34.0	100
43LJ322	22000	22.0	±10%	60	.0796	0.18	40.0	100
43LJ327	27000	27.0	±10%	60	.0796	0.17	47.0	100
43LJ333	33000	33.0	±10%	60	.0796	0.16	55.0	80
43LJ339	39000	39.0	±10%	35	.0796	0.14	60.0	80
43LJ347	47000	47.0	±10%	35	.0796	0.13	72.0	80
43LJ356	56000	56.0	±10%	35	.0796	0.12	110.0	50
43LJ368	68000	68.0	±10%	35	.0796	0.11	120.0	50
43LJ382	82000	82.0	±10%	35	.0796	0.09	150.0	50
43LJ410	100000	100.0	±10%	30	.0252	0.08	150.0	30
43LJ412	120000	120.0	±10%	30	.0252	0.07	200.0	30
43LJ415	150000	150.0	±10%	30	.0252	0.06	250.0	30

HiQ PI-WOUND RF CHOKES



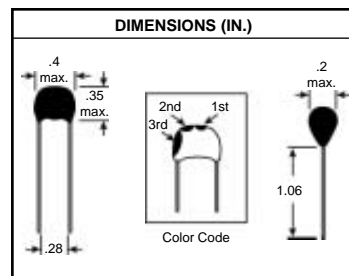
Specifications:

- Tolerance: ±10%
- Similar to J.W. Miller 4600 series
- Core material: ferrite

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L (mH)	Q Min.	D.C.R. (Ω) ±20%	Price Each			
					1	100	500	1000
434-2100	A	1	20	15	2.53	2.11	1.91	1.74
434-2250	A	2.5	30	26	2.53	2.11	1.91	1.74
434-2500	B	5	30	48	2.92	2.43	2.21	2.01

HiQ EPOXY DIPPED PEAKING COILS



Specifications:

- Inductive tolerance: .22 to 1.0μH ±20%, 1.2 to 1000μH ±10%
- Radial Lead
- Epoxy dipped
- Subminiature
- High Q (30 min.)
- Iron Core

For quantities 2000 and up, call for quote.

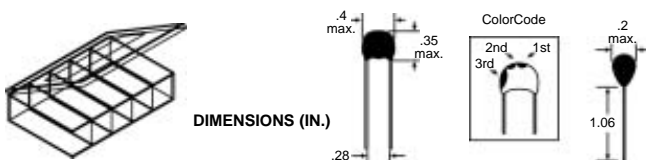
MOUSER STOCK NO.	L (μH)	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)	Color Code			Price Each			
						1st	2nd	3rd	1	100	500	1000
43LR227	0.22	25.2	287	0.123	---	Red	Red	Slvr	.46	.30	.26	.21
43LR337	0.33	25.2	217	0.138	---	Org	Org	Slvr	.46	.30	.26	.21
43LR477	0.47	25.2	161	0.15	---	Yel	Vio	Slvr	.46	.30	.26	.21
43LR687	0.68	25.2	126	0.167	---	Blu	Gry	Slvr	.46	.30	.26	.21
43LR106	1	7.96	96	0.201	330	Brn	Blk	Gld	.46	.30	.26	.21
43LR126	1.2	7.96	84	0.218	320	Brn	Red	Gld	.46	.30	.26	.21
43LR156	1.5	7.96	71	0.24	315	Brn	Grn	Gld	.46	.30	.26	.21
43LR226	2.2	7.96	55	0.28	300	Red	Red	Gld	.46	.30	.26	.21
43LR276	2.7	7.96	50	0.281	295	Red	Vio	Gld	.46	.30	.26	.21
43LR336	3.3	7.96	43	0.338	285	Org	Org	Gld	.46	.30	.26	.21
43LR476	4.7	7.96	33	0.42	275	Yel	Vio	Gld	.46	.30	.26	.21
43LR566	5.6	7.96	29	0.45	270	Grn	Blu	Gld	.46	.30	.26	.21
43LR686	6.8	7.96	25	0.488	260	Blu	Gry	Gld	.46	.30	.26	.21
43LR105	10	2.52	20	1.14	250	Brn	Blk	Blk	.46	.30	.26	.21
43LR155	15	2.52	13	1.4	235	Brn	Grn	Blk	.46	.30	.26	.21
43LR185	18	2.52	12	1.55	225	Brn	Gry	Blk	.46	.30	.26	.21
43LR225	22	2.52	10	1.73	220	Red	Red	Blk	.46	.30	.26	.21
43LR275	27	2.52	9	1.95	215	Red	Vio	Blk	.46	.30	.26	.21
43LR335	33	2.52	8	2.15	205	Org	Org	Blk	.46	.30	.26	.21
43LR395	39	2.52	7	2.36	200	Org	Wht	Blk	.46	.30	.26	.21
43LR475	47	2.52	9	1.94	190	Yel	Vio	Blk	.46	.30	.26	.21
43LR565	56	2.52	9	1.95	180	Grn	Blu	Blk	.46	.30	.26	.21
43LR685	68	2.52	8	2.12	170	Blu	Gry	Blk	.46	.30	.26	.21
43LR825	82	2.52	8	2.4	160	Gry	Red	Blk	.46	.30	.26	.21
43LR104	100	0.796	7	2.85	150	Brn	Blk	Blk	.46	.30	.26	.21
43LR124	120	0.796	6	4.35	145	Brn	Red	Brn	.46	.30	.26	.21
43LR154	150	0.796	5	3.6	130	Brn	Grn	Brn	.46	.30	.26	.21
43LR184	180	0.796	4	4.02	120	Brn	Gry	Brn	.46	.30	.26	.21
43LR224	220	0.796	4	4.7	115	Red	Red	Brn	.46	.30	.26	.21
43LR274	270	0.796	3	5.4	105	Red	Vio	Brn	.46	.30	.26	.21
43LR334	330	0.796	3	7.5	100	Org	Org	Brn	.46	.30	.26	.21
43LR394	390	0.796	3	8.55	90	Org	Wht	Brn	.46	.30	.26	.21
43LR474	470	0.796	2.8	9.9	85	Yel	Vio	Brn	.46	.30	.26	.21
43LR564	560	0.796	2.5	11.4	80	Grn	Blu	Brn	.46	.30	.26	.21
43LR684	680	0.796	2.3	10.8	68	Blu	Gry	Brn	.46	.30	.26	.21
43LR824	820	0.796	2.1	12.3	58	Gry	Red	Brn	.46	.30	.26	.21
43LR103	1000	0.252	1.9	14.1	50	Brn	Blk	Red	.46	.30	.26	.21

EPOXY DIPPED PEAKING COIL KIT

Specifications:

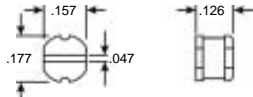
- Inductive tolerance: .22 to 1.0μH ±20%, 1.2 to 1000μH ±10%
- Epoxy dipped
- High Q (30 min.)
- Radial leads
- Subminiature
- Iron core

MOUSER STOCK NO.	Range of Values	Pieces in Kit	List of Values (μH)	Price Each
370-RFC-1	.22-1000μH	180	10 each: .22, .47, 1.0, 2.2, 3.3, 4.7, 10, 15, 22, 33, 47, 68, 100, 220, 330, 470, 680, 1000μH	49.95



SMD POWER INDUCTORS

PM43 Series

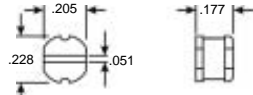


DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max. Amps	Price Each		
							1	100	250
542-PM43-100M	10	20%	2.5MHz	35.8	0.182	1.04	2.61	1.74	1.45
542-PM43-180M	18	20%	2.5MHz	27.5	0.338	0.74	2.61	1.74	1.45
542-PM43-220M	22	20%	2.5MHz	24.7	0.378	0.68	2.61	1.74	1.45
542-PM43-330K	33	10%	2.5MHz	19.6	0.540	0.56	2.61	1.74	1.45
542-PM43-470K	47	10%	2.5MHz	15.6	0.844	0.44	2.61	1.74	1.45
542-PM43-680K	68	10%	2.5MHz	13.2	1.117	0.37	2.61	1.74	1.45

PM54 Series

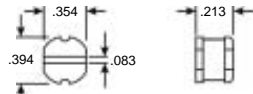


DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max. Amps	Price Each		
							1	100	250
542-PM54-100M	10	20%	2.5MHz	30.6	0.10	1.44	2.61	1.74	1.45
542-PM54-180M	18	20%	2.5MHz	23.3	0.15	1.23	2.61	1.74	1.45
542-PM54-330L	33	15%	2.5MHz	16.3	0.23	0.88	2.61	1.74	1.45
542-PM54-470L	47	15%	2.5MHz	13.6	0.37	0.72	2.61	1.74	1.45
542-PM54-680K	68	10%	2.5MHz	11.7	0.46	0.61	2.61	1.74	1.45
542-PM54-101K	100	10%	1kHz	9.24	0.70	0.52	2.61	1.74	1.45
542-PM54-221K	220	10%	1kHz	5.73	1.57	0.35	2.61	1.74	1.45

PM105 Series



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max. Amps	Price Each		
							1	100	250
542-PM105-100M	10	20%	2.5MHz	25.1	0.06	2.60	3.29	2.35	1.81
542-PM105-101K	100	10%	1kHz	7.64	0.35	0.97	3.29	2.35	1.81
542-PM105-151K	150	10%	1kHz	5.86	0.47	0.78	3.29	2.35	1.81
542-PM105-221K	220	10%	1kHz	5.25	0.73	0.66	3.29	2.35	1.81

FERRITE BEADS



DIMENSIONS (IN.)

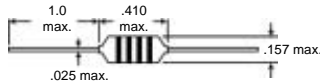
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freq. Range (MHz)	Max. Dim. (In.)			Price Each		
		O.D.	I.D.	L	1	100	250
542-FB73-085	up to 40	.056	.031	.095	.48	.35	.27
542-FB43-226	40-200	.146	.055	.246	.25	.18	.14
542-FB73-226	up to 40	.146	.055	.246	.36	.27	.20
542-FB73-110	up to 40	.146	.055	.138	.25	.18	.14
542-FB43-110	40-200	.146	.055	.138	.12	.09	.07
542-FB64-110	above 200	.146	.055	.138	.25	.18	.14
542-FB43-422	40-200	.210	.067	.452	.36	.27	.20
542-FB73-422	up to 40	.210	.067	.452	.36	.27	.20
542-FB43-287	40-200	.301	.099	.307	.36	.27	.20
542-FB73-287	up to 40	.301	.099	.307	.48	.35	.27

CONFORMAL COATED CHOKES

Specifications:

- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire



DIMENSIONS (IN.)

77F Series

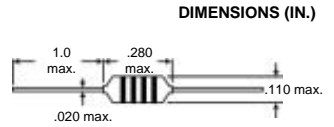
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	100	250
542-77F6R8	6.8	10%	75	7.9	68.0	0.48	550	.55	.40	.30
542-77F100	10	10%	85	7.9	45.0	0.58	500	.55	.40	.30
542-77F270	27	10%	55	2.5	7.6	0.94	390	.55	.40	.30
542-77F330	33	5%	55	2.5	6.3	1.03	370	.55	.40	.30
542-77F470	47	5%	45	2.5	6.3	1.22	340	.55	.40	.30
542-77F820	82	5%	35	2.5	5.3	1.62	290	.55	.40	.30
542-77F101	100	5%	30	2.5	4.8	1.80	275	.55	.40	.30
542-77F221	220	5%	70	0.79	3.0	5.10	155	.55	.40	.30
542-77F331	330	5%	65	0.79	2.6	6.40	137	.55	.40	.30
542-77F391	390	5%	65	0.79	2.4	7.00	133	.55	.40	.30
542-77F102	1000	5%	50	0.79	1.4	14.00	100	.55	.40	.30

CONFORMAL COATED CHOKES

Specifications:

- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire



DIMENSIONS (IN.)

78F Series

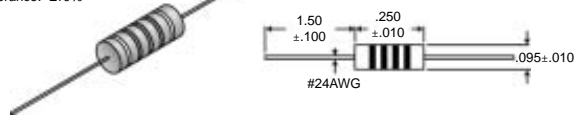
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	100	250
542-78FR22	.22	10%	40	25.0	380.0	0.08	1025	.55	.40	.30
542-78FR68	.68	10%	40	25.0	250.0	0.12	495	.55	.40	.30
542-78FR10	1.0	10%	40	25.0	180.0	0.15	385	.55	.40	.30
542-78FR18	1.8	10%	50	7.9	125.0	0.25	455	.55	.40	.30
542-78FR27	2.7	10%	50	7.9	95.0	0.30	355	.55	.40	.30
542-78FR33	3.3	5%	50	7.9	70.0	0.34	270	.55	.40	.30
542-78FR47	4.7	5%	45	7.9	50.0	0.35	230	.55	.40	.30
542-78FR82	8.2	5%	40	7.9	28.0	0.55	155	.55	.40	.30
542-78F100	10	5%	40	7.9	22.0	0.72	130	.55	.40	.30
542-78F120	12	5%	45	2.5	20.0	0.80	155	.55	.40	.30
542-78F220	22	5%	50	2.5	13.0	1.20	140	.55	.40	.30
542-78F270	27	5%	50	2.5	11.0	1.35	135	.55	.40	.30
542-78F330	33	5%	50	2.5	10.0	1.50	193	.55	.40	.30
542-78F390	39	5%	50	2.5	9.5	1.70	185	.55	.40	.30
542-78F470	47	5%	60	2.5	8.5	2.30	167	.55	.40	.30
542-78F101	100	5%	60	2.5	5.5	3.5	125	.55	.40	.30
542-78F121	120	5%	60	0.79	5.4	3.8	100	.55	.40	.30
542-78F221	220	5%	60	0.79	4.0	5.7	76	.55	.40	.30
542-78F471	470	5%	60	0.79	2.5	11.6	53	.55	.40	.30

9230 SERIES MOLDED RF CHOKES

Specifications:

- Meets MIL Spec: MIL-C-15305, MS75083, MS75084, MS75085
- Inductive tolerance: ±10%



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
							1	100	250
542-9230-94	0.1	40	25.0	690	0.07	1100	1.06	.77	.58
542-9230-00	0.15	38	25.0	600	0.1	1100	1.06	.77	.58
542-9230-04	0.22	33	25.0	510	0.14	935	1.06	.77	.58
542-9230-10	0.39	30	25.0	380	0.3	640	1.06	.77	.58
542-9230-12	0.47	30	25.0	340	0.35	590	1.06	.77	.58
542-9230-14	0.56	30	25.0	300	0.5	495	1.06	.77	.58
542-9230-16	0.68	28	25.0	275	0.6	450	1.06	.77	.58
542-9230-20	1.0	25	25.0	230	1.0	350	1.06	.77	.58
542-9230-32	3.3	45	7.9	90	0.85	380	1.40	1.03	.77
542-9230-34	3.9	45	7.9	82	1.0	350	1.40	1.03	.77
542-9230-36	4.7	45	7.9	75	1.2	320	1.40	1.03	.77
542-9230-44	10.0	55	7.9	50	3.7	180	1.57	1.15	.87
542-9230-52	22.0	50	2.5	25	3.3	190	1.60	1.18	.88
542-9230-56	33.0	45	2.5	24	3.4	187	1.71	1.25	.94
542-9230-64	68.0	50	2.5	15	6.7	135	1.71	1.25	.94
542-9230-68	100.0	50	2.5	13	8.0	125	1.71	1.25	.94
542-9230-70	120.0	30	0.79	12	13.0	97	1.81	1.33	1.00

9250 SERIES SHIELDED MOLDED RF CHOKES

Specifications:

- Meets MIL Spec: MIL-C-15305, MS75088, MS75089, MS90537
- Electromagnetic shielding
- Inductive tolerance: ±10%



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
							1	100	250
542-9250-102	1.0	44	25.0	140.0	0.07	1070	2.89	2.12	1.59
542-9250-222	2.2	44	7.9	100.0	0.19	650	2.89	2.12	1.59
542-9250-472	4.7	44	7.9	70.0	0.55	380	2.89	2.12	1.59
542-9250-103	10	50	7.9	46.0	1.62	220	2.89	2.12	1.59
542-9250-223	22	45							

70F SERIES RF CHOKES

Specifications:

- Varnish impregnated
- Core material: L ≤ 15000µH, iron
L ≥ 33000µH, ferrite



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

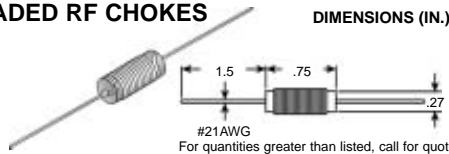
MOUSER STOCK NO.	L (µH)	Q Min.	Fo Min.	Rdc Max. Ohms	Idc Max mA	Coil Dia. Max.	Form Length	Price Each		
								1	100	250
542-70F106	1.0	41	118.0	0.048	2041	.165	.25	1.03	.75	.56
542-70F226	2.2	43	87.0	0.156	1132	.16	.25	1.25	.92	.69
542-70F336	3.3	40	66.0	0.24	912	.15	.25	1.25	.92	.69
542-70F476	4.7	43	53.0	0.457	661	.15	.25	1.25	.92	.69
542-70F686	6.8	40	49.0	0.624	566	.15	.25	1.25	.92	.69
542-70F105	10	36	19.0	1.56	277	.16	.25	1.52	1.11	.83
542-70F225	22	51	13.0	2.28	229	.165	.25	1.52	1.11	.83
542-70F335	33	50	10.0	2.76	208	.17	.25	1.52	1.11	.83
542-70F395	39	48	9.3	3.36	188	.175	.25	1.52	1.11	.83
542-70F475	47	44	9.1	3.36	188	.175	.25	1.52	1.11	.83
542-70F104	100	25	3.6	7.68	139	.165	.25	1.65	1.21	.91
542-70F474	470	35	1.8	16.3	95	.185	.25	1.65	1.21	.91
542-70F504	500	49	1.8	18.0	91	.195	.25	1.74	1.27	.96
542-70F824	820	33	1.6	22.9	80	.21	.25	1.74	1.27	.96
542-70F103	1000	30	1.4	24.0	79	.225	.25	1.74	1.27	.96
542-70F223	2200	40	0.96	45.6	57	.24	.25	1.80	1.32	.99
542-70F253	2500	48	0.96	45.6	57	.26	.38	1.80	1.32	.99
542-70F333	3300	52	0.8	51.6	53	.26	.38	1.80	1.32	.99
542-70F473	4700	49	0.68	64.8	48	.285	.38	1.95	1.43	1.07
542-70F102	10000	41	0.52	101.0	38	.335	.38	1.85	1.36	1.02
542-70F152	15000	50	0.32	113.0	47	.3	.50	3.26	2.39	1.80
542-70F332	33000	61	0.232	134.0	43	.353	.63	4.51	3.31	2.48
542-70F502	50000	57	0.196	175.0	37	.4	.63	4.51	3.31	2.48
542-70F101	100000	48	0.157	278.0	29	.446	.63	3.10	2.27	1.71

J.W. Miller AXIAL LEADED RF CHOKES

Phenolic Core

Specifications:

- Inductive tolerance: ±10% (except 542-4602 is ±20%)
- Varnish impregnated



DIMENSIONS (IN.)

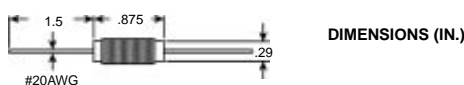
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each		
							1	100	250
542-4602	1.0	60	7.9	190	.05	2000	.98	.72	.54
542-4604	1.5	58	7.9	149	.093	1800	.98	.72	.54
542-4606	2.4	56	7.9	120	.19	1500	.98	.72	.54
542-4608	3.9	60	7.9	93	.45	1000	.98	.72	.54
542-4609	5.5	57	7.9	80	.67	850	.98	.72	.54
542-4610	6.2	57	7.9	76	.83	700	.98	.72	.54
542-4611	8.2	57	7.9	65	1.2	600	.98	.72	.54
542-4612	10.0	36	2.5	61	1.5	500	.98	.72	.54

Iron Core

Specifications:

- Inductive tolerance: ±5%
- Varnish impregnated



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Q Min.	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each		
							1	100	250
542-4622	10	69	2.5	40	0.11	1500	1.32	.97	.73
542-4624	15	62	2.5	33	0.17	1000	1.32	.97	.73
542-4626	24	65	2.5	25	0.34	800	1.32	.97	.73
542-4629	55	72	2.5	17	1.0	500	1.32	.97	.73
542-4630	62	83	2.5	16	1.2	475	1.34	.99	.74
542-4631	82	85	2.5	13	1.9	450	1.34	.99	.74
542-4632	100	107	.79	12	3.0	400	1.34	.99	.74

J.W. Miller HEAVY DUTY HASH CHOKES

Special Features:

- Low cost, low DCR
- High current capacity
- Varnish coated
- Operating temperature -55 to +105°C
- Ideal for use as EMI filter, output choke, smoothing coil
- Current to cause 10% maximum inductance drop or 35°C maximum temperature rise

Specifications:

- L ≤ 4µH measured on Q meter @ 7.9 MHz
- L ≥ 40µH measured on 1 kHz bridge
- Inductive tolerance: ±20%



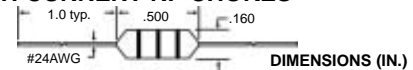
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Rdc Max. Ohms	Idc Max Amps	Coil Dia. Max.	Form Length	Core Material	Price Each		
							1	100	250
542-5230	4	.012	8	.38	.875	Ferrite	2.39	1.75	1.31
542-5240	40	.082	3	.31	1.25	Ferrite	2.39	1.75	1.31
542-5248	68	.054	5	.56	1.25	Ferrite	2.88	2.11	1.55
542-5250	100	.216	2	.38	1.25	Ferrite	2.88	2.11	1.55
542-5252	125	.08	3.5	.5	1.25	Ferrite	3.18	2.33	1.72
542-5254	250	.17	2.5	.44	1.25	Ferrite	3.18	2.33	1.72
542-5256	500	.26	2	.56	1.25	Ferrite	3.18	2.33	1.72
542-5258	1000	.55	1	.5	1.25	Ferrite	3.27	2.40	1.80
542-5218	3.35	.01	20	.6	1.25	Iron	5.37	3.94	2.95
542-5219	4.9	.016	15	.6	1.25	Iron	5.03	3.69	2.77
542-5220	8.8	.021	10	.56	1.25	Iron	4.78	3.51	2.63

J.W. Miller MINIATURE HIGH CURRENT RF CHOKES

Specifications:

- Epoxy conformal coated
- Operating temperature: -55°C to +105°C



DIMENSIONS (IN.)

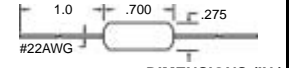
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Incr I mA	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
							1	100	250
542-5300-01	1.0	10%	3000	190.0	0.018	3300	1.70	1.25	.93
542-5300-03	1.5	10%	2500	160.0	0.020	3100	1.70	1.25	.93
542-5300-10	5.6	10%	1300	64.0	0.074	1600	1.60	1.18	.88
542-5300-13	10	10%	970	25.0	0.095	1500	1.60	1.18	.88
542-5300-17	22	10%	640	8.4	0.19	1000	1.60	1.18	.88
542-5300-19	33	10%	530	7.6	0.24	910	1.60	1.18	.88
542-5300-21	47	10%	430	6.0	0.35	760	1.65	1.21	.91
542-5300-25	100	10%	300	3.9	0.67	550	1.65	1.21	.91
542-5300-27	150	10%	250	3.2	1.2	410	1.65	1.21	.91
542-5300-29	220	10%	200	2.3	1.9	320	1.65	1.21	.91
542-5300-32	390	10%	150	1.7	3.0	260	1.76	1.29	.97
542-5300-33	470	10%	140	1.4	3.4	240	1.76	1.29	.97

J.W. Miller HIGH CURRENT RF CHOKES

Specifications:

- Coils finished with sleeving VW1 Rated
- Inductance measured @ 1kHz
- Operating temperature: -55°C to +105°C



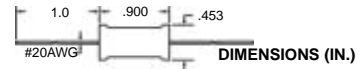
DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Rdc Max. Ohms @ +20°C	Saturation Current DC Amps	Suggested Rated Current AC	Price Each		
						1	100	250
542-5800-3R9	3.9	10%	0.019	7.3	1.28	1.88	1.38	1.03
542-5800-8R2	8.2	10%	0.028	4.5	1.28	1.88	1.38	1.03
542-5800-100	10	10%	0.033	4.1	1.28	1.88	1.38	1.03
542-5800-470	47	10%	0.109	1.8	0.804	1.88	1.38	1.03
542-5800-560	56	10%	0.140	1.7	0.804	1.88	1.38	1.03
542-5800-820	82	10%	0.152	1.4	0.804	1.88	1.38	1.03
542-5800-101	100	10%	0.208	1.2	0.632	1.88	1.38	1.03
542-5800-121	120	10%	0.283	1.1	0.508	1.88	1.38	1.03
542-5800-151	150	10%	0.340	1.0	0.508	1.88	1.38	1.03
542-5800-181	180	10%	0.362	0.95	0.508	1.88	1.38	1.03
542-5800-221	220	10%	0.430	0.86	0.508	1.88	1.38	1.03
542-5800-271	270	10%	0.557	0.77	0.400	1.88	1.38	1.03
542-5800-331	330	10%	0.665	0.70	0.400	1.88	1.38	1.03
542-5800-391	390	10%	0.772	0.64	0.400	1.88	1.38	1.03
542-5800-471	470	10%	1.15	0.59	0.315	1.88	1.38	1.03
542-5800-102	1000	10%	2.30	0.40	0.200	1.88	1.38	1.03
542-5800-152	1500	10%	3.45	0.33	0.158	1.88	1.38	1.03
542-5800-222	2200	10%	4.48	0.27	0.158	1.88	1.38	1.03
542-5800-472	4700	10%	10.5	0.18	0.100	1.88	1.38	1.03
542-5800-682	6800	10%	16.3	0.151	0.082	1.88	1.38	1.03
542-5800-103	10000	10%	26.4	0.125	0.050	1.88	1.38	1.03

Special Features:

- High current capacity
- Low DCR
- Ferrite bobbin core



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Inductive Tolerance	Rdc Max. Ohms @ +20°C	Saturation Current DC Amps	Suggested Rated Current AC	Price Each		
						1	100	250
542-5900-100	10	10%	0.017	8.70	4.0	3.82	2.80	2.10
542-5900-220	22	10%	0.026	6.07	4.0	3.82	2.80	2.10
542-5900-470	47	10%	0.035	3.98	4.0	3.82	2.80	2.10
542-5900-560	56	10%	0.037	3.66	3.2	3.82	2.80	2.10
542-5900-101	100	10%	0.090	2.79	1.6	3.82	2.80	2.10
542-5900-121	120	10%	0.113	2.54	1.6	3.82	2.80	2.10
542-5900-151	150	10%	0.129	2.22	1.6	3.82	2.80	2.10
542-5900-221	220	10%	0.162	1.89	1.6	3.82	2.80	2.10
542-5900-271	270							

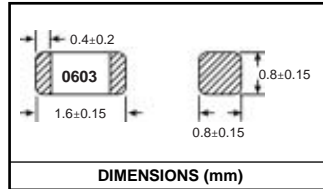
LQG11A SERIES MONOLITHIC AIR CORE

Features:

- High-Q characteristics
- Small size 0603 is suitable for small portable equipment, especially card size equipment
- Test frequency: 100MHz
- Operating temperature range: -40°C to +85°C
- The external electrodes with nickel barrier structure provide excellent solder heat resistance

Applications:

- High frequency circuit of telecommunication equipment



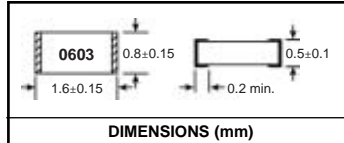
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	EIA Size	Value	Tol.	Price Each			
					1	100	250	500
81-LQG11A1N5S00	LQG11A1N5S00T1	0603	1.5nH	0.3nH	.43	.28	.23	.20
81-LQG11A2N2S00	LQG11A2N2S00T1	0603	2.2nH	0.3nH	.43	.28	.23	.20
81-LQG11A2N7S00	LQG11A2N7S00T1	0603	2.7nH	0.3nH	.43	.28	.23	.20
81-LQG11A3N3S00	LQG11A3N3S00T1	0603	3.3nH	0.3nH	.43	.28	.23	.20
81-LQG11A3N9S00	LQG11A3N9S00T1	0603	3.9nH	0.3nH	.43	.28	.23	.20
81-LQG11A4N7S00	LQG11A4N7S00T1	0603	4.7nH	0.3nH	.43	.28	.23	.20
81-LQG11A10NJ00	LQG11A10NJ00T1	0603	10nH	5%	.43	.28	.23	.20
81-LQG11A15NJ00	LQG11A15NJ00T1	0603	15nH	5%	.43	.28	.23	.20
81-LQG11A33NJ00	LQG11A33NJ00T1	0603	33nH	5%	.43	.28	.23	.20

LQP11A SERIES THIN PROFILE AIR CORE

Comprised of chip coils with a tight inductance tolerance, achieved in a small chip area. Murata achieves this by forming the coil with precision film technology. This coil is excellent in the high-frequency circuits of telecommunication equipment.

- Tight tolerance enables assembly without tuning
- High SRF due to low stray capacitance provides stable inductance in high frequency circuits
- Test frequency: 500MHz
- Operating temperature range: -40°C to +85°C
- The external electrodes with nickel barrier structure provide excellent solder heat resistance



MOUSER STOCK NO.	Murata Part No.	EIA Size	Value	Tol.	Price Each			
					1	100	200	500
81-LQP11A6N8C00	LQP11A6N8C00T1	0603	6.8nH	±0.2nH	.43	.28	.23	.20
81-LQP11A8N2C00	LQP11A8N2C00T1	0603	8.2nH	±0.2nH	.43	.28	.23	.20
81-LQP11A10NG00	LQP11A10NG00T1	0603	10nH	2%	.43	.28	.23	.20
81-LQP11A18NG00	LQP11A18NG00T1	0603	18nH	2%	.43	.28	.23	.20
81-LQP11A27NG00	LQP11A27NG00T1	0603	27nH	2%	.43	.28	.23	.20

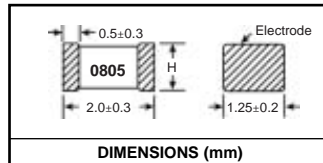
LQG21C SERIES MAGNETIC SHIELDED CHOKE COIL

Features:

- The inductor has ultra low DC resistance
- Magnetically shielded construction provides excellent crosstalk characteristics
- Low inductance drift during soldering, environmental tests, etc.
- Outstanding solder heat resistance. Either flow or reflow soldering

Applications:

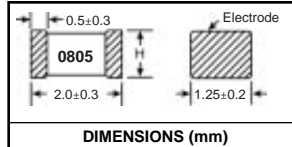
- Low current power line (for choke use)



MOUSER STOCK NO.	Murata Part No.	EIA Size	Value	Tol.	Price Each			
					1	100	500	1000
81-LQG21C1R0N00	LQG21C1R0N00T1	0805	1.0uH	30%	.49	.32	.26	.23
81-LQG21C2R2N00	LQG21C2R2N00T1	0805	2.2uH	30%	.49	.32	.26	.23
81-LQG21C4R7N00	LQG21C4R7N00T1	0805	4.7uH	30%	.49	.32	.26	.23
81-LQG21C100N00	LQG21C100N00T1	0805	10uH	30%	.49	.32	.26	.23
81-LQG21C220N00	LQG21C220N00T1	0805	22uH	30%	.49	.32	.26	.23
81-LQG21C470N00	LQG21C470N00T1	0805	47uH	30%	.49	.32	.26	.23

LQG21N SERIES MAGNETIC SHIELDED GENERAL USE

Magnetically shielded chip coils developed with multilayer process technology and magnetic materials. It is one-quarter the size of conventional chip coils and has high reliability.



MOUSER STOCK NO.	Murata Part No.	EIA Size	Value	Tol.	Price Each			
					1	100	500	1000
81-LQG21NR10K10	LQG21NR10K10T1	0805	0.1uH	10%	.51	.33	.27	.24
81-LQG21NR15K10	LQG21NR15K10T1	0805	0.15uH	10%	.51	.33	.27	.24
81-LQG21NR22K10	LQG21NR22K10T1	0805	0.22uH	10%	.51	.33	.27	.24
81-LQG21NR39K10	LQG21NR39K10T1	0805	0.39uH	10%	.51	.33	.27	.24
81-LQG21NR47K10	LQG21NR47K10T1	0805	0.47uH	10%	.51	.33	.27	.24
81-LQG21NR56K10	LQG21NR56K10T1	0805	0.56uH	10%	.51	.33	.27	.24
81-LQG21NR82K10	LQG21NR82K10T1	0805	0.82uH	10%	.51	.33	.27	.24
81-LQG21N1R2K10	LQG21N1R2K10T1	0805	1.2uH	10%	.51	.33	.27	.24
81-LQG21N1R5K10	LQG21N1R5K10T1	0805	1.5uH	10%	.51	.33	.27	.24
81-LQG21N2R2K10	LQG21N2R2K10T1	0805	2.2uH	10%	.51	.33	.27	.24
81-LQG21N2R7K10	LQG21N2R7K10T1	0805	2.7uH	10%	.51	.33	.27	.24
81-LQG21N3R3K10	LQG21N3R3K10T1	0805	3.3uH	10%	.51	.33	.27	.24
81-LQG21N4R7K10	LQG21N4R7K10T1	0805	4.7uH	10%	.51	.33	.27	.24

LQH1C/3C SERIES CHOKE

The LQH1C AND LQH3C Series are subminiature chip coils with low DC resistance, high current capacity and high impedance characteristics.

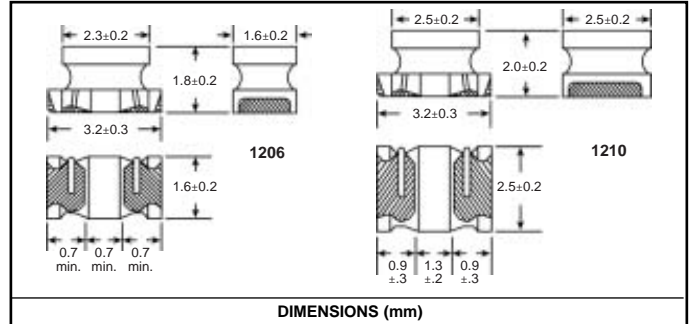
LQH1C:

- The sub-miniature dimensions (3.2x1.6x1.8mm) allow parallel mounting on 2.5mm centers.

LQH3C:

- The low DC resistance means high current and high inductance

At 0.12uH these coils have a maximum current rating of 970mA.



For quantities greater than listed, call for quote.

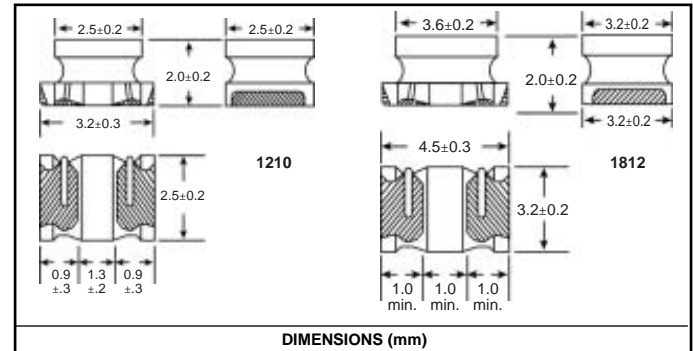
MOUSER STOCK NO.	Murata Part No.	EIA Size	Value	Tol.	Price Each			
					1	100	500	1000
81-LQH1C1R0M04	LQH1C1R0M04M00	1206	1.0uH	20%	.57	.52	.48	.43
81-LQH1C2R2M04	LQH1C2R2M04M00	1206	2.2uH	20%	.57	.52	.48	.43
81-LQH1C4R7M04	LQH1C4R7M04M00	1206	4.7uH	20%	.57	.52	.48	.43
81-LQH1C100K04	LQH1C100K04M00	1206	100uH	10%	.57	.52	.48	.43
81-LQH1C101K04	LQH1C101K04M00	1206	100uH	10%	.57	.52	.48	.43
81-LQH3C100K34	LQH3C100K34M00	1210	10uH	10%	.68	.44	.36	.32
81-LQH3C221K34	LQH3C221K34M00	1210	22uH	10%	.68	.44	.36	.32
81-LQH3C470K34	LQH3C470K34M00	1210	47uH	10%	.68	.44	.36	.32
81-LQH3C1R0M34	LQH3C1R0M34M00	1210	1.0uH	20%	.68	.44	.36	.32
81-LQH3C2R2M34	LQH3C2R2M34M00	1210	2.2uH	20%	.68	.44	.36	.32
81-LQH3C4R7M34	LQH3C4R7M34M00	1210	4.7uH	20%	.68	.44	.36	.32
81-LQH3C561K34	LQH3C561K34M00	1210	560uH	10%	.68	.44	.36	.32

LQH3N/4N SERIES GENERAL USE

The LQH Series chip coil comprises subminiature chip inductors wound on a special ferrite core. These inductors have a high Q at high frequencies and low DC resistance making them suited for enhancing the performance of electronic circuits in video communications and audio equipment.

Features:

- Operating temperature range: -25°C to +85°C
- Measurement frequency 1MHz
- Available 10uH, up to 450mA



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	EIA Size	Value	Tol.	Price Each			
					1	100	500	1000
81-LQH3N100J34	LQH3N100J34M00	1210	10uH	5%	.49	.40	.36	.32
81-LQH3N120J34	LQH3N120J34M00	1210	12uH	5%	.49	.44	.36	.32
81-LQH3N220J34	LQH3N220J34M00	1210	22uH	5%	.49	.44	.36	.32
81-LQH3N330J34	LQH3N330J34M00	1210	33uH	5%	.49	.44	.36	.32
81-LQH4N101J04	LQH4N101J04M00	1812	100uH	5%	.90	.70	.60	.45
81-LQH4N121J04	LQH4N121J04M00	1812	120uH	5%	.90	.70	.60	.45
81-LQH4N151J04	LQH4N151J04M00	1812	150uH	5%	.90	.70	.60	.45
81-LQH4N181J04	LQH4N181J04M00	1812	180uH	5%	.90	.70	.60	.45
81-LQH4N221J04	LQH4N221J04M00	1812	220uH	5%	.90	.70	.60	.45
81-LQH4N271J04	LQH4N271J04M00	1812	270uH	5%	.90	.70	.60	.45
81-LQH4N331J04	LQH4N331J04M00	1812	330uH	5%	.90	.70	.60	.45
81-LQH4N391J04	LQH4N391J04M00	1812	390uH	5%	.90	.70	.60	.45
81-LQH4N471J04	LQH4N471J04M00	1812	470uH	5%	.90	.70	.60	.45
81-LQH4N561J04	LQH4N561J04M00	1812	560uH	5%	.90	.70	.60	.45
81-LQH4N61J04	LQH4N61J04M00	1812	680uH	5%	.90	.70	.60	.45
81-LQH4N821J04	LQH4N821J04M00	1812	820uH	5%	.90	.70	.60	.45
81-LQH4N102J04	LQH4N102J04M00	1812	1000uH	5%	.90	.70	.60	.45
81-LQH4N330J04	LQH4N330J04M00	1812	33uH	5%	.90	.70	.60	.45
81-LQH4N470J04	LQH4N470J04M00	1812	47uH	5%	.90	.70	.60	.45
81-LQH4N100J04	LQH4N100J04M00	1812	10uH	5%	.90	.70	.60	.45
81-LQH4N150J04	LQH4N150J04M00	1812	15uH	5%	.90	.70	.60	.45
81-LQH4N220J04	LQH4N220J04M00	1812	22uH	5%	.90	.70	.60	.45

LEADED EMI SUPPRESSION FILTER COMPACT DISC-TYPE

DS306 and DSS306 Series

Applications:

- Computer and peripherals interfaces
- Compact digital equipment
- Compact PPC, electronic typewriters, other electronic equipment and appliances
- Helps all electronic equipment and appliances meet FCC, VDE and CISPR regulations
- STD footprint for high density mounting

For quantities greater than listed, call for quote.

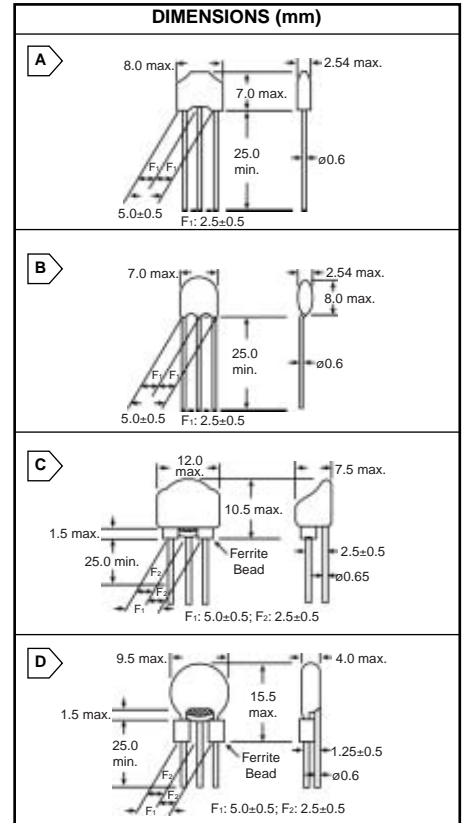
MOUSER STOCK NO.	Fig.	Murata Part No.	Capacitance pF	Capacitor		Ferrite Beads	Price Each			
				W.V	T.C.		1	100	250	500
Manufacturers Type DS306 Series										
81-DS306Y5S470M50	A	DS306-55Y5S470M50	47	50	20%	None	.80	.44	.32	.30
81-DS306Y5S101M50	B	DS306-55Y5S101M50	100	50	20%	None	.70	.39	.29	.26
81-DS306FZ103Z50	B	DS306-55FZ103Z50	10000	50	80%-20%	None	.70	.39	.29	.26
Manufacturers Type DSS306 Series										
81-DSS306Y5S470M100	A	DSS306-55Y5S470M100	47	100	20%	Internal	.90	.50	.36	.34
81-DSS306Y5S101M100	A	DSS306-55Y5S101M100	100	100	20%	Internal	.80	.44	.32	.30
81-DSS306Y5S271M100	A	DSS306-55Y5S271M100	270	100	20%	Internal	.90	.50	.36	.34
81-DSS306Y5S471M100	A	DSS306-55Y5S471M100	470	100	20%	Internal	.90	.50	.36	.34
81-DSS306Y5S102M100	A	DSS306-55Y5S102M100	1000	100	20%	Internal	.90	.50	.36	.34
81-DSS306Y5U222Z100	A	DSS306-55Y5U222Z100	2200	100	80%-20%	Internal	.90	.50	.36	.34

DSS310 and DST310 Series

Disc-type EMIFIL®, DSS310 and DST310 are T-type EMI suppression filters. The disc-type EMIFIL increases the self-resonant frequency of the capacitor by attaching two lead wires to one of the electrodes of the capacitor and increases the insertion loss by adding inductance to the lead in the DST and DSS types only. Frequencies to be suppressed can be selected by choosing the capacitance. They are also recommended for use as by-pass capacitors.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Murata Part No.	Capacitance pF	Capacitor		Ferrite Beads	Price Each			
				W.V	T.C.		1	100	200	500
Manufacturers Type DSS310 Series										
81-DSS310Y5S220M100	C	DSS310-55Y5S220M100	22	100	20%	Internal	1.10	.61	.44	.41
81-DSS310Y5S470M100	C	DSS310-55Y5S470M100	47	100	20%	Internal	1.10	.61	.44	.41
81-DSS310Y5S271M100	C	DSS310-55S271M100	270	100	20%	Internal	1.10	.61	.44	.41
81-DSS310Y5S222M100	C	DSS310-55Y5S222M100	2200	100	20%	Internal	1.10	.61	.44	.41
81-DSS310BL222M100	C	DSS310-55BL222M100	2200	100	20%	Internal	1.10	.61	.44	.41
81-DSS310Y5S223S50	C	DSS310-55Y5S223S50	22000	50	50%-20%	Internal	1.10	.61	.44	.41
Manufacturers Type DST310 Series										
81-DST310Y5S271M100	D	DST310-55Y5S271M100	270	100	20%	External	1.20	.66	.48	.45
81-DST310Y5S222M100	D	DST310-55Y5S222M100	2200	100	20%	External	1.20	.66	.48	.45
81-DST310Y5S223S50	D	DST310-55Y5S223S50	22000	50	50%-20%	External	1.20	.66	.48	.45



SURFACE MOUNT EMI FILTERS CHIP FERRITE BEADS

BLM_A Series Designed for Standard Type Signals

Features:

- Suitable for flow and reflow soldering
- Wide temperature range
- High Z characteristics

Applications:

- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Imped. 100MHz	DCR Ω Max.	Rated Current (mA)	Price Each		
						1	500	1000
81-BLM11A121S	BLM11A121SPT	0603	120	0.2	200	.13	.08	.07
81-BLM11A221S	BLM11A221SPT	0603	220	0.3	200	.13	.08	.07
81-BLM11A601S	BLM11A601SPT	0603	600	0.5	200	.13	.08	.07
81-BLM11A102S	BLM11A102SPT	0603	1000	0.7	100	.13	.08	.07
81-BLM21A121S	BLM21A121SPT	0805	120	0.15	200	.20	.10	.09
81-BLM21A401S	BLM21A401SPT	0805	400	0.85	200	.20	.10	.09
81-BLM21A601S	BLM21A601SPT	0805	600	0.3	200	.20	.10	.09
81-BLM21A102S	BLM21A102SPT	0805	1000	0.45	200	.17	.10	.08
81-BLM31A260S	BLM31A260SPT	1206	26	0.05	500	.28	.16	.15
81-BLM31A700S	BLM31A700SPT	1206	70	0.15	200	.28	.16	.15
81-BLM31A601S	BLM31A601SPT	1206	600	0.9	200	.28	.16	.15
81-BLM41A800S	BLM41A800SPT	1806	80	0.1	500	.42	.30	.26
81-BLM41A151S	BLM41A151SPT	1806	150	0.5	200	.42	.30	.26

BLM_B Series Designed for High Speed Signals

Features:

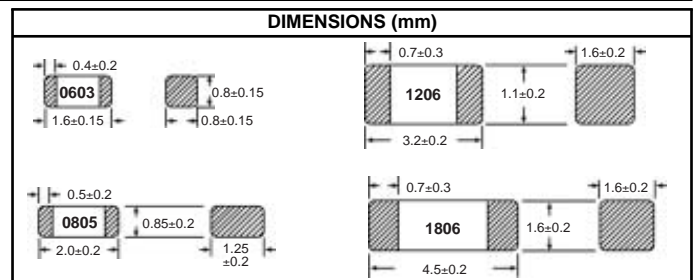
- Designed to reduce noise above operating frequencies from 10 to 100MHz
- High impedance characteristics
- Small size
- Suitable for flow and reflow soldering

Applications:

- Computers and peripheral equipment
- Consumer products
- High speed circuits
- Suitable for circuits with unstable ground

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Imped. 100MHz	DCR Ω Max.	Rated Current (mA)	Price Each		
						1	500	1000
81-BLM11B750S	BLM11B750SPT	0603	75	0.35	200	.13	.08	.07
81-BLM11B141S	BLM11B141SPT	0603	140	0.55	200	.13	.08	.07
81-BLM11B421S	BLM11B421SPT	0603	420	0.55	200	.13	.08	.07
81-BLM11B601S	BLM11B601SPT	0603	600	0.65	200	.13	.08	.07
81-BLM21B050S	BLM21B050SPT	0805	5	0.07	500	.20	.10	.09
81-BLM21B750S	BLM21B750SPT	0805	75	0.25	200	.20	.10	.09
81-BLM21B201S	BLM21B201SPT	0805	200	0.35	200	.20	.10	.09
81-BLM21B601S	BLM21B601SPT	0805	600	0.35	200	.20	.10	.09
81-BLM21B102S	BLM21B102SPT	0805	1000	0.4	200	.20	.10	.09
81-BLM21B222S	BLM21B222SPT	0805	2200	0.6	200	.29	.15	.14
81-BLM21B751S	BLM21B751SPT	0805	750	0.4	200	.20	.10	.09
81-BLM31B601S	BLM31B601SPT	1206	600	0.35	200	.28	.16	.15



BLM_P Series Designed for Low DCR High Current

Features:

- Suitable high frequency noise suppression over wide frequency range
- Current rating up to 6A
- Small package size - EIA STD 063/085/1206 and 1806
- Nickel barrier terminations provide excellent solder heat resistance
- Low DCR

Applications:

- High current DC power lines
- Circuits where a stable ground is unavailable

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Imped. 100MHz	DCR Ω Max.	Rated Current (mA)	Price Each		
						1	500	1000
81-BLM11P300S	BLM11P300SPT	0603	30	0.06	1000	.13	.08	.07
81-BLM11P600S	BLM11P600SPT	0603	60	0.1	500	.13	.08	.07
81-BLM21P221SG	BLM21P221SGPT	0805	220	0.05	2000	.16	.09	.08
81-BLM21P331SG	BLM21P331SGPT	0805	330	0.09	1500	.16	.09	.08
81-BLM31P500S	BLM31P500SPT	1206	50	0.025	3000	.28	.16	.15
81-BLM41P600S	BLM41P600SPT	1806	60	0.01	6000	.42	.30	.26
81-BLM41P750S	BLM41P750SPT	1806	75	0.025	3000	.42	.30	.26
81-BLM41P800S	BLM41P800SPT	1806	80	0.1	1000	.42	.30	.26

BLM_HA/HB Series Designed for UHF Applications

Features:

- High impedance in the GHz range
- Small size
- Suitable for circuits with unstable ground

Applications for BLM11A:

- I/O ports
- Signal lines

Applications for BLM11B:

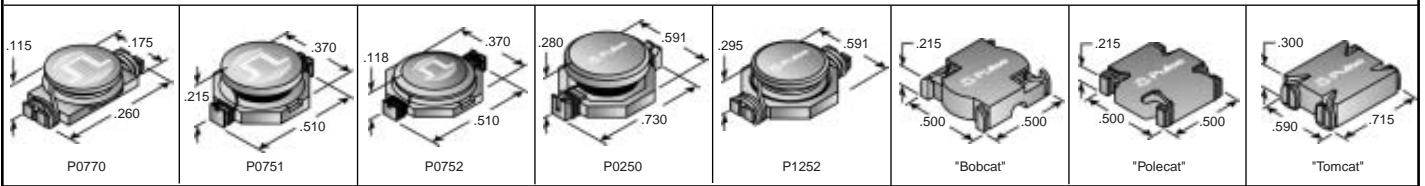
- Computers and peripheral equipment
- High speed circuits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Imped. 100MHz	DCR Ω Max.	Rated Current (mA)	Price Each		
						1	500	1000
81-BLM11HA471SG	BLM11HA471SGPT	0603	470	0.85	200	.25	.16	.12
81-BLM11HA102SG	BLM11HA102SGPT	0603	1000	1.6	200	.25	.16	.12
81-BLM11HA601SG	BLM11HA601SGPT	0603	600	1	200	.25	.16	.12
81-BLM11HB601SD	BLM11HB601SDPT	0603	600	1.5	100	.25	.16	.12

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

DIMENSIONS (IN.)



Features:

- Reliable self-leads
- High energy storage and low DC resistance
- Ideal for DC/DC conversion in notebook computers
- Direct Coilcraft replacement
- PDA's, step-up or step-down converters

Specifications:

- Operating Temperature: -40°C to +85°C

Cross Reference Chart	
Pulse Series	Coilcraft Series
P0770	DO1608
P0751	DO3316P
P0762	DO3308P
P0250	DO5022
P1252	DO5022HC

Pulse P0250 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Bulk Price Each			Reel Price Each
			1	50	100	350
Mfr. Mfr. Part No.						
673 - P0250.102T	1	20	2.16	1.86	1.55	1.39
673 - P0250.222T	2	16	2.16	1.86	1.55	1.39
673 - P0250.332T	3	14	2.16	1.86	1.55	1.39
673 - P0250.562T	5	12	2.16	1.86	1.55	1.39
673 - P0250.103T	9.5	10	2.16	1.86	1.55	1.39
673 - P0250.153T	13.5	8	2.16	1.86	1.55	1.39
673 - P0250.223T	20	7	2.16	1.86	1.55	1.39
673 - P0250.333T	30	5.5	2.16	1.86	1.55	1.39
673 - P0250.473T	43	4.5	2.16	1.86	1.55	1.39
673 - P0250.683T	62	3.5	2.16	1.86	1.55	1.39
673 - P0250.104T	95	3	2.16	1.86	1.55	1.39
673 - P0250.154T	135	2.6	2.16	1.86	1.55	1.39
673 - P0250.224T	200	2.4	2.16	1.86	1.55	1.39
673 - P0250.334T	300	1.9	2.16	1.86	1.55	1.39
673 - P0250.474T	430	1.4	2.16	1.86	1.55	1.39
673 - P0250.684T	620	1.2	2.16	1.86	1.55	1.39
673 - P0250.105T	950	1	2.16	1.86	1.55	1.39

Pulse P0770 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Bulk Price Each			Reel Price Each
			1	100	500	2500
Mfr. Mfr. Part No.						
673 - P0770.102T	1	2.9	1.24	1.08	.93	.73
673 - P0770.152T	1.5	2.6	1.24	1.08	.93	.73
673 - P0770.222T	2.2	2.3	1.24	1.08	.93	.73
673 - P0770.332T	3.3	2	1.24	1.08	.93	.73
673 - P0770.472T	4.7	1.5	1.24	1.08	.93	.73
673 - P0770.682T	6.8	1.2	1.24	1.08	.93	.73
673 - P0770.103T	10	1.1	1.24	1.08	.93	.73
673 - P0770.153T	15	0.9	1.24	1.08	.93	.73
673 - P0770.223T	22	0.7	1.24	1.08	.93	.73
673 - P0770.333T	33	0.58	1.24	1.08	.93	.73
673 - P0770.473T	47	0.5	1.24	1.08	.93	.73
673 - P0770.683T	68	0.4	1.24	1.08	.93	.73
673 - P0770.104T	100	0.31	1.24	1.08	.93	.73
673 - P0770.154T	150	0.27	1.24	1.08	.93	.73
673 - P0770.224T	220	0.22	1.24	1.08	.93	.73

Pulse P0751 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Bulk Price Each			Reel Price Each
			1	50	100	800
Mfr. Mfr. Part No.						
673 - P0751.102T	1	9	1.48	1.27	1.06	.95
673 - P0751.152T	1.5	8	1.48	1.27	1.06	.95
673 - P0751.222T	2.2	7	1.48	1.27	1.06	.95
673 - P0751.332T	3.3	6.4	1.48	1.27	1.06	.95
673 - P0751.472T	4.7	5.4	1.48	1.27	1.06	.95
673 - P0751.682T	6.8	4.6	1.48	1.27	1.06	.95
673 - P0751.103T	10	3.8	1.48	1.27	1.06	.95
673 - P0751.153T	15	3	1.48	1.27	1.06	.95
673 - P0751.223T	22	2.6	1.48	1.27	1.06	.95
673 - P0751.333T	33	2	1.48	1.27	1.06	.95
673 - P0751.473T	47	1.6	1.48	1.27	1.06	.95
673 - P0751.683T	68	1.4	1.48	1.27	1.06	.95

Pulse P0752 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Bulk Price Each			Reel Price Each
			1	50	100	800
Mfr. Mfr. Part No.						
673 - P0752.104T	100	1.2	1.48	1.27	1.06	.95
673 - P0752.154T	150	1	1.48	1.27	1.06	.95
673 - P0752.224T	220	0.8	1.48	1.27	1.06	.95
673 - P0752.334T	330	0.6	1.48	1.27	1.06	.95
673 - P0752.474T	470	0.5	1.48	1.27	1.06	.95
673 - P0752.684T	680	0.4	1.48	1.27	1.06	.95
673 - P0752.105T	1000	0.3	1.48	1.27	1.06	.95

Pulse P0762 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Bulk Price Each			Reel Price Each
			1	50	100	1000
Mfr. Mfr. Part No.						
673 - P0762.103T	10	2.4	1.48	1.27	1.06	.95
673 - P0762.153T	15	2	1.48	1.27	1.06	.95
673 - P0762.223T	22	1.6	1.48	1.27	1.06	.95
673 - P0762.333T	33	1.4	1.48	1.27	1.06	.95
673 - P0762.473T	47	1	1.48	1.27	1.06	.95
673 - P0762.683T	68	0.9	1.48	1.27	1.06	.95
673 - P0762.104T	100	0.7	1.48	1.27	1.06	.95
673 - P0762.154T	150	0.6	1.48	1.27	1.06	.95
673 - P0762.224T	220	0.5	1.48	1.27	1.06	.95
673 - P0762.334T	330	0.4	1.48	1.27	1.06	.95
673 - P0762.474T	470	0.3	1.48	1.27	1.06	.95
673 - P0762.684T	680	0.2	1.48	1.27	1.06	.95
673 - P0762.105T	1000	0.1	1.48	1.27	1.06	.95

Pulse P1252 SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Inductance (µH± 20%)	IPK (A)	Bulk Price Each			Reel Price Each
			1	50	100	300
Mfr. Mfr. Part No.						
673 - P1252.781T	0.78	30	3.27	2.73	2.45	2.19
673 - P1252.152T	1.5	25	3.27	2.73	2.45	2.19
673 - P1252.222T	2.2	20	3.27	2.73	2.45	2.19
673 - P1252.332T	3.3	17	3.27	2.73	2.45	2.19
673 - P1252.392T	3.9	15	3.27	2.73	2.45	2.19
673 - P1252.472T	4.7	13	3.27	2.73	2.45	2.19
673 - P1252.602T	6	12	3.27	2.73	2.45	2.19
673 - P1252.782T	7.8	11	3.27	2.73	2.45	2.19
673 - P1252.103T	10	10	3.27	2.73	2.45	2.19

Pulse SMT TOROIDAL INDUCTORS

"Bobcat" Series Inductor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDC (A)	LDC (µH)	Price Each			Reel Price Each
			1	50	100	500
Mfr. Mfr. Part No.						
673 - P0144T	3.80	9.4	2.60	2.17	1.95	1.73
673 - P0146T	2.43	23	2.66	2.22	2.00	1.77
673 - P0147T	1.65	50	2.72	2.27	2.04	1.81
673 - P0151T	0.81	200	2.91	2.42	2.18	1.94
673 - P0153T	0.53	439	3.25	2.71	2.44	2.17

"Polecat" Series, Dual Inductor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDC (A)	Ref. L @ DC LDC (µH)	DCR (mΩ max.)		Price Each					
			Parallel	Series	1	40	120	400		
Mfr. Mfr. Part No.										
673 - P0174	8.3	4.15	2	7.8	7.6	30.3	3.38	2.54	2.11	1.65
673 - P0175	7.2	3.6	2.4	9.6	10.9	43.6	3.38	2.54	2.11	1.65
673 - P0176	5.2	2.6	5	20	19	76	3.38	2.54	2.11	1.65
673 - P0177	3.84	1.92	9.3	37.3	29.8	119	3.38	2.54	2.11	1.65
673 - P0178	3.12	1.56	14.1	56.2	45.3	181	3.38	2.54	2.11	1.65
673 - P0179	2.64	1.32	19.7	79	66.3	265	3.38	2.54	2.11	1.65
673 - P0180	2.16	1.08	29.3	117.3	106	424	3.38	2.54	2.11	1.65
673 - P0181	1.8	0.9	42.6	170.3	151	603	3.38	2.54	2.11	1.65
673 - P0182	1.48	0.74	61.3	245.3	224	897	3.38	2.54	2.11	1.65
673 - P0183	1.22	0.61	84.2	336.7	324	1295	3.38	2.54	2.11	1.65

"Tomcat" Series, Dual Inductor

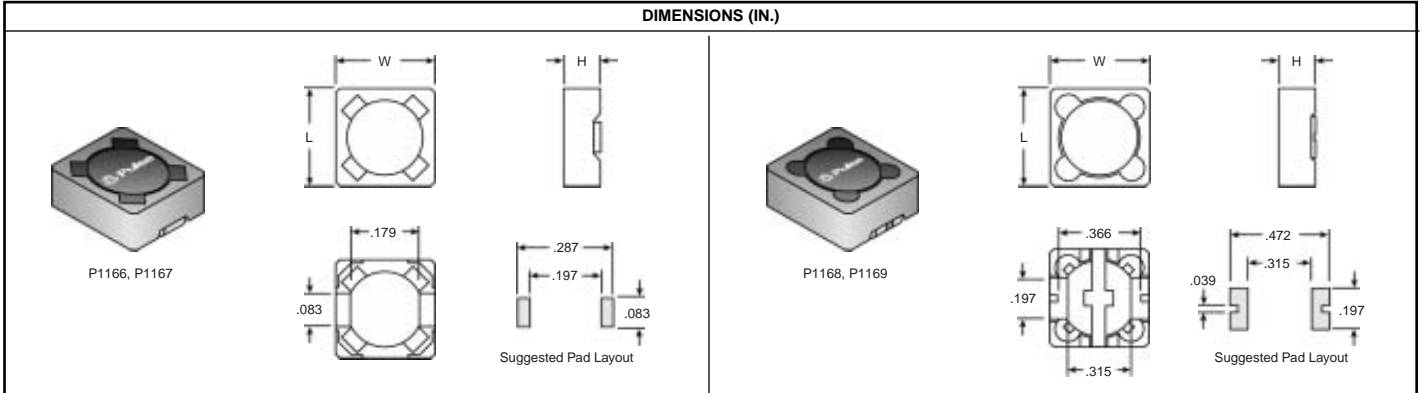
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDC (A)	Ref. L @ DC LDC (µH)	DCR (mΩ max.)		Price Each				
			Parallel	Series	1	35	140		
Mfr. Mfr. Part No.									
673 - P0395	14.4	7.2	1.5	6.1	4.41	17.6	1.89	1.42	1.19
673 - P0396	11.2	5.6	2.4	9.7	6.54	26.2	1.89	1.42	1.19
673 - P0397	8.2	4.1	4.2	17	10.47	41.9	1.89	1.42	1.19
673 - P0398	6.8	3.4	5.8	23.1	14.94	59.7	1.89	1.42	1.19
673 - P0399	5.7	2.85	7.6	30.6	20.99	84	1.89	1.42	1.19
673 - P0400	5.4	2.7	12.1	48.5	23.24	93	1.89	1.42	1.19
673 - P0401	4.4	2.2	18	72	38.15	152.6	2.14	1.61	1.34
673 - P0402	3.54	1.77	27	108	53.21	212.8	2.14	1.61	1.34
673 - P0403	3	1.5	34.8	139.1	73.89	295.6	2.14	1.61	1.34

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DIMENSIONS (IN.)



Pulse offers a complete range of power magnetics for DC-DC converter and switchmode designs. These magnetics include power inductors, power transformers, current sensors, gate drive transformers and common mode inductors.

* L/W/H is measured on surface mount parts tip to tip (height included wash area)

Many parts are designed for low voltage, high current and high frequency applications. Pulse manufactures the broadest selection of packaging options from various through hole devices to the smallest available surface mount solution with a height of .071" (1.80mm).

Features:

- Low profile and suitable for compact surface area mounting
- Large permissible DC current
- Low DC resistance

Pulse P1166 SERIES

* Size: L=.287", W=.287", H=.138"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	1200
673	P1166.103T	10	1.6	2.10	1.84	1.58	1.05
673	P1166.123T	12	1.5	2.10	1.84	1.58	1.05
673	P1166.153T	15	1.4	2.10	1.84	1.58	1.05
673	P1166.183T	18	1.2	2.10	1.84	1.58	1.05
673	P1166.223T	22	1.2	2.10	1.84	1.58	1.05
673	P1166.273T	27	1	2.10	1.84	1.58	1.05
673	P1166.333T	33	0.94	2.10	1.84	1.58	1.05
673	P1166.393T	39	0.86	2.10	1.84	1.58	1.05
673	P1166.473T	47	0.83	2.10	1.84	1.58	1.05
673	P1166.563T	56	0.73	2.10	1.84	1.58	1.05
673	P1166.683T	68	0.67	2.10	1.84	1.58	1.05
673	P1166.823T	82	0.6	2.10	1.84	1.58	1.05
673	P1166.104T	100	0.56	2.10	1.84	1.58	1.05
673	P1166.124T	120	0.53	2.10	1.84	1.58	1.05
673	P1166.184T	180	0.39	2.10	1.84	1.58	1.05
673	P1166.224T	220	0.35	2.10	1.84	1.58	1.05
673	P1166.274T	270	0.32	2.10	1.84	1.58	1.05
673	P1166.334T	330	0.31	2.10	1.84	1.58	1.05
673	P1166.394T	390	0.26	2.10	1.84	1.58	1.05
673	P1166.474T	470	0.25	2.10	1.84	1.58	1.05
673	P1166.564T	560	0.23	2.10	1.84	1.58	1.05
673	P1166.684T	680	0.2	2.10	1.84	1.58	1.05
673	P1166.824T	820	0.17	2.10	1.84	1.58	1.05

Pulse P1167 SERIES

* Size: L=.287", W=.287", H=.177"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	900
673	P1167.103T	10	2	2.10	1.84	1.58	1.05
673	P1167.123T	12	1.9	2.10	1.84	1.58	1.05
673	P1167.153T	15	1.7	2.10	1.84	1.58	1.05
673	P1167.183T	18	1.5	2.10	1.84	1.58	1.05
673	P1167.223T	22	1.4	2.10	1.84	1.58	1.05
673	P1167.273T	27	1.2	2.10	1.84	1.58	1.05
673	P1167.333T	33	1.1	2.10	1.84	1.58	1.05
673	P1167.393T	39	1	2.10	1.84	1.58	1.05
673	P1167.473T	47	0.94	2.10	1.84	1.58	1.05
673	P1167.563T	56	0.86	2.10	1.84	1.58	1.05
673	P1167.683T	68	0.78	2.10	1.84	1.58	1.05
673	P1167.823T	82	0.7	2.10	1.84	1.58	1.05
673	P1167.104T	100	0.63	2.10	1.84	1.58	1.05
673	P1167.124T	120	0.57	2.10	1.84	1.58	1.05
673	P1167.154T	150	0.52	2.10	1.84	1.58	1.05
673	P1167.184T	180	0.47	2.10	1.84	1.58	1.05
673	P1167.224T	220	0.43	2.10	1.84	1.58	1.05
673	P1167.274T	270	0.39	2.10	1.84	1.58	1.05
673	P1167.334T	330	0.35	2.10	1.84	1.58	1.05
673	P1167.394T	390	0.32	2.10	1.84	1.58	1.05
673	P1167.474T	470	0.29	2.10	1.84	1.58	1.05
673	P1167.564T	560	0.26	2.10	1.84	1.58	1.05
673	P1167.684T	680	0.23	2.10	1.84	1.58	1.05
673	P1167.824T	820	0.21	2.10	1.84	1.58	1.05
673	P1167.105T	1000	0.19	2.10	1.84	1.58	1.05

Pulse P1168 SERIES

* Size: L=.472", W=.472", H=.177"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	600
673	P1168.103T	10	3.6	2.27	1.98	1.70	1.42
673	P1168.123T	12	3.5	2.27	1.98	1.70	1.42
673	P1168.153T	15	3.1	2.27	1.98	1.70	1.42
673	P1168.183T	18	2.8	2.27	1.98	1.70	1.42
673	P1168.223T	22	2.6	2.27	1.98	1.70	1.42
673	P1168.273T	27	2.4	2.27	1.98	1.70	1.42
673	P1168.333T	33	2.2	2.27	1.98	1.70	1.42
673	P1168.393T	39	1.9	2.27	1.98	1.70	1.42
673	P1168.473T	47	1.8	2.27	1.98	1.70	1.42
673	P1168.563T	56	1.7	2.27	1.98	1.70	1.42
673	P1168.683T	68	1.5	2.27	1.98	1.70	1.42
673	P1168.823T	82	1.4	2.27	1.98	1.70	1.42
673	P1168.104T	100	1.2	2.27	1.98	1.70	1.42
673	P1168.124T	120	1.1	2.27	1.98	1.70	1.42
673	P1168.154T	150	1	2.27	1.98	1.70	1.42
673	P1168.184T	180	0.9	2.27	1.98	1.70	1.42
673	P1168.224T	220	0.8	2.27	1.98	1.70	1.42
673	P1168.274T	270	0.7	2.27	1.98	1.70	1.42
673	P1168.334T	330	0.66	2.27	1.98	1.70	1.42
673	P1168.394T	390	0.62	2.27	1.98	1.70	1.42
673	P1168.474T	470	0.57	2.27	1.98	1.70	1.42
673	P1168.564T	560	0.53	2.27	1.98	1.70	1.42
673	P1168.684T	680	0.5	2.27	1.98	1.70	1.42
673	P1168.824T	820	0.44	2.27	1.98	1.70	1.42
673	P1168.105T	1000	0.4	2.27	1.98	1.70	1.42

Pulse P1169 SERIES

* Size: L=.472", W=.472", H=.177"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Inductance ($\mu\text{H} \pm 20\%$)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	600
673	P1169.103T	10	3.6	2.27	1.98	1.70	1.42
673	P1169.123T	12	3.5	2.27	1.98	1.70	1.42
673	P1169.153T	15	3.1	2.27	1.98	1.70	1.42
673	P1169.183T	18	2.8	2.27	1.98	1.70	1.42
673	P1169.223T	22	2.6	2.27	1.98	1.70	1.42
673	P1169.273T	27	2.4	2.27	1.98	1.70	1.42
673	P1169.333T	33	2.2	2.27	1.98	1.70	1.42
673	P1169.393T	39	1.9	2.27	1.98	1.70	1.42
673	P1169.473T	47	1.8	2.27	1.98	1.70	1.42
673	P1169.563T	56	1.7	2.27	1.98	1.70	1.42
673	P1169.683T	68	1.5	2.27	1.98	1.70	1.42
673	P1169.823T	82	1.4	2.27	1.98	1.70	1.42
673	P1169.104T	100	1.2	2.27	1.98	1.70	1.42
673	P1169.124T	120	1.1	2.27	1.98	1.70	1.42
673	P1169.154T	150	1	2.27	1.98	1.70	1.42
673	P1169.184T	180	0.9	2.27	1.98	1.70	1.42
673	P1169.224T	220	0.8	2.27	1.98	1.70	1.42
673	P1169.274T	270	0.7	2.27	1.98	1.70	1.42
673	P1169.334T	330	0.66	2.27	1.98	1.70	1.42
673	P1169.394T	390	0.62	2.27	1.98	1.70	1.42
673	P1169.474T	470	0.57	2.27	1.98	1.70	1.42
673	P1169.564T	560	0.53	2.27	1.98	1.70	1.42
673	P1169.684T	680	0.5	2.27	1.98	1.70	1.42
673	P1169.824T	820	0.44	2.27	1.98	1.70	1.42
673	P1169.105T	1000	0.4	2.27	1.98	1.70	1.42

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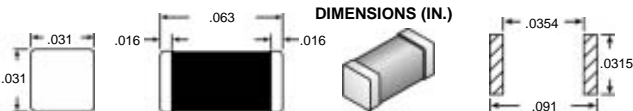
Vishay Inductors and Ferrite Beads



IMC-0603 COATED SURFACE MOUNT INDUCTORS

- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Coated coil provides protection and moisture resistance
- Compatible with vapor phase and infrared reflow soldering

- Inductance and Q measured on HP4191A
- SRF measured on HP8753B
- Temperature range: -40°C to +85°C
- Core material: non-magnetic



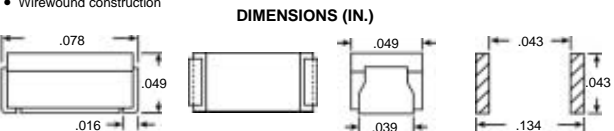
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (nH)	Induc. Tol.	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each			Reel Price Each
								1	50	100	3000
70-IMC0603-2.2	2.2	±.3nH	8	100	6000	.09	500	.34	.26	.24	.154
70-IMC0603-3.3	3.3	±.3nH	9	100	5500	.12	500	.34	.26	.24	.154
70-IMC0603-4.7	4.7	±5%	9	100	4800	.17	450	.34	.26	.24	.154
70-IMC0603-10	10	±5%	10	100	2800	.32	400	.34	.26	.24	.154
70-IMC0603-22	22	±5%	10	100	2000	.5	300	.34	.26	.24	.154
70-IMC0603-33	33	±5%	10	100	1800	.6	300	.34	.26	.24	.154
70-IMC0603-47	47	±5%	11	100	1800	.95	250	.34	.26	.24	.154
70-IMC0603-82	82	±5%	12	100	1500	1.5	250	.34	.26	.24	.154
70-IMC0603-100	100	±5%	12	100	1300	1.8	200	.34	.26	.24	.154

IMC-0805 MOLDED SURFACE MOUNT INDUCTORS

- Features:**
- High self-resonant frequency values
 - High Q values relative to size at higher frequencies
 - Molded construction provides superior strength and moisture resistance
 - Wirewound construction

- Specifications:**
- Inductance and Q measured on HP4191A
 - SRF measured on HP8753B
 - Temperature range: -40°C to +85°C
 - Core material: non-magnetic



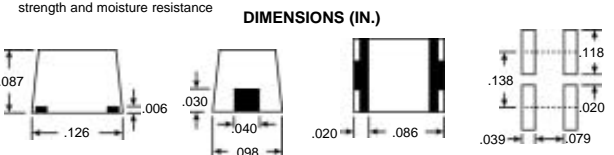
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (nH)	Induc. Tol.	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each			Reel Price Each
								1	50	100	3000
70-IMC0805-10	10	±10%	10	100	3300	.14	540	.53	.41	.37	.238
70-IMC0805-22	22	±10%	15	100	2600	.22	465	.53	.41	.37	.238
70-IMC0805-33	33	±10%	15	100	2050	.3	395	.53	.41	.37	.238
70-IMC0805-47	47	±5%	15	100	1650	.35	385	.53	.41	.37	.238
70-IMC0805-100	100	±5%	8	25.2	800	.66	285	.53	.41	.37	.238
70-IMC0805-220	220	±5%	10	25.2	500	1.41	170	.53	.41	.37	.238
70-IMC0805-330	330	±5%	10	25.2	200	1.66	160	.53	.41	.37	.238
70-IMC0805-470	470	±5%	10	25.2	150	1.97	145	.53	.41	.37	.238
70-IMC0805-1000	1.0µH	±5%	8	7.96	80	2.98	120	.53	.41	.37	.238

IMC-1210 MOLDED SURFACE MOUNT INDUCTORS

- Features:**
- Printed marking
 - Compatible with vapor phase and infrared reflow soldering
 - Molded construction provides superior strength and moisture resistance

- Specifications:**
- Temperature range: -55°C to +125°C
 - Core material: non-magnetic for .10µH, powdered iron for .22µH to 100µH



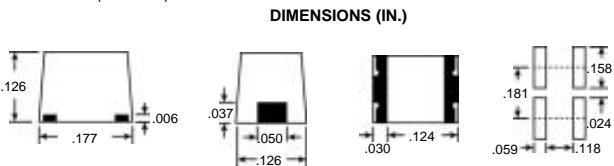
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Induc. Tol.	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each			Reel Price Each
								1	50	100	2000
70-IMC1210-10	0.1	±20%	30	50	700	.44	450	.43	.33	.30	.18
70-IMC1210-22	0.22	±20%	30	25.2	350	.32	484	.43	.33	.30	.18
70-IMC1210-47	0.47	±20%	30	25.2	220	.5	450	.43	.33	.30	.18
70-IMC1210-1.0	1	±10%	30	7.96	120	.7	400	.39	.30	.28	.16
70-IMC1210-1.8	1.8	±10%	30	7.96	80	.9	350	.39	.30	.28	.16
70-IMC1210-2.2	2.2	±10%	30	7.96	75	1	320	.39	.30	.28	.16
70-IMC1210-2.2	2.7	±10%	30	7.96	70	1.1	290	.39	.30	.28	.16
70-IMC1210-3.3	3.3	±10%	30	7.96	60	1.2	260	.39	.30	.28	.16
70-IMC1210-4.7	4.7	±10%	30	7.96	50	1.5	224	.39	.30	.28	.16
70-IMC1210-10	10	±10%	30	2.52	33	2.1	189	.39	.30	.28	.16
70-IMC1210-22	22	±10%	30	2.52	19	3.7	145	.51	.39	.36	.21
70-IMC1210-100	100	±10%	20	0.796	9	14	73	.51	.39	.36	.21

IMC-1812 MOLDED SURFACE MOUNT INDUCTORS

- Features:**
- Molded construction provides superior strength and moisture resistance
 - Printed marking
 - Compatible with vapor phase and infrared reflow soldering

- Specifications:**
- Inductance tolerance: ±10%
 - Temperature range: -40°C to +105°C
 - Core material: powdered iron for 1.0µH to 100µH, ferrite for 150µH to 1000µH



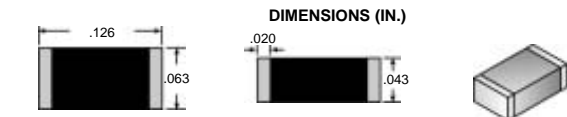
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	Induc. Tol.	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each			Reel Price Each
								1	50	100	500
70-IMC1812-1.0	1	±10%	50	7.96	100	.5	450	1.10	.89	.55	.38
70-IMC1812-1.2	1.2	±10%	50	7.96	80	.55	430	1.10	.89	.55	.38
70-IMC1812-1.5	1.5	±10%	50	7.96	70	.6	410	1.10	.89	.55	.38
70-IMC1812-2.2	2.2	±10%	50	7.96	55	.7	380	1.10	.89	.55	.38
70-IMC1812-2.7	2.7	±10%	50	7.96	50	.75	370	1.10	.89	.55	.38
70-IMC1812-3.3	3.3	±10%	50	7.96	45	.8	355	1.10	.89	.55	.38
70-IMC1812-4.7	4.7	±10%	50	7.96	35	1	315	1.10	.89	.55	.38
70-IMC1812-5.6	5.6	±10%	50	7.96	33	1.1	300	1.10	.89	.55	.38
70-IMC1812-10	10	±10%	50	2.52	20	1.6	250	1.10	.89	.55	.38
70-IMC1812-15	15	±10%	50	2.52	17	2.5	200	1.14	.92	.58	.45
70-IMC1812-22	22	±10%	50	2.52	13	3.2	180	1.14	.92	.58	.45
70-IMC1812-33	33	±10%	50	2.52	11	4	160	1.14	.92	.58	.45
70-IMC1812-47	47	±10%	50	2.52	10	5	140	1.14	.92	.58	.45
70-IMC1812-56	56	±10%	50	2.52	9	5.5	135	1.27	1.03	.63	.50
70-IMC1812-100	100	±10%	40	0.79	8	8	110	1.27	1.03	.63	.50
70-IMC1812-150	150	±10%	40	0.79	5	9	105	1.27	1.03	.63	.50
70-IMC1812-220	220	±10%	40	0.79	4	10	100	1.27	1.03	.63	.50
70-IMC1812-330	330	±10%	40	0.79	3.5	14	85	1.27	1.03	.63	.50
70-IMC1812-470	470	±10%	40	0.79	3	26	62	1.53	1.24	.76	.60
70-IMC1812-1000	1000	±10%	30	0.25	2.5	40	30	1.53	1.24	.76	.60

ILB-1206 MULTILAYER FERRITE BEADS

- Features:**
- High reliability
 - Surface mountable
 - Temp. range: -55°C to +125°C

- Environmental Specifications:**
- Thermal shock: 50 cycles, -55°C to +125°C
 - Humidity: 90%RH @ +40°C with 200mA DC current, 500 hours
 - Load life: +90°C @ full rated current for 2000 hours



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Imp. (Ω)	Tol.	Frequency (MHz)	DCR Max (Ω)	Rated DC Current (mA)	Price Each			Reel Price Each
						1	50	100	3000
70-ILB1206-19	19	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206-26	26	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206-31	31	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206-50	50	±25%	100	.1	350	.24	.19	.17	.09
70-ILB1206-70	70	±25%	100	.15	250	.24	.19	.17	.09
70-ILB1206-120	120	±25%	100	.2	250	.24	.19	.17	.09
70-ILB1206-150	150	±25%	100	.2	250	.24	.19	.17	.09
70-ILB1206-300	300	±25%	100	.3	250	.28	.23	.21	.11
70-ILB1206-500	500	±25%	100	.5	200	.28	.23	.21	.11
70-ILB1206-600	600	±25%	100	.5	200	.28	.23	.21	.11



NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

IHD FILTER INDUCTORS

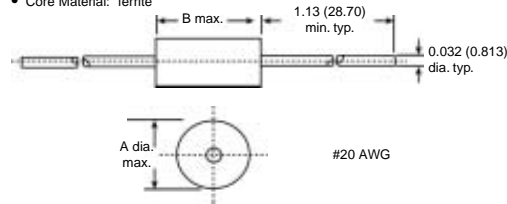
Electrical Specifications:

- Inductance: measured at 1V with no DC current
- Operating Temperature: -55°C to +125°C (no Load)
-55°C to +85°C (at full rated current)
- Tolerance: 15%

Mechanical Specifications:

- Wire: solid soft copper
- Terminals: 20 AWG tinned copper leads
- Coating: polyolefin tubing
- Core Material: ferrite

DIMENSIONS IN. (mm)



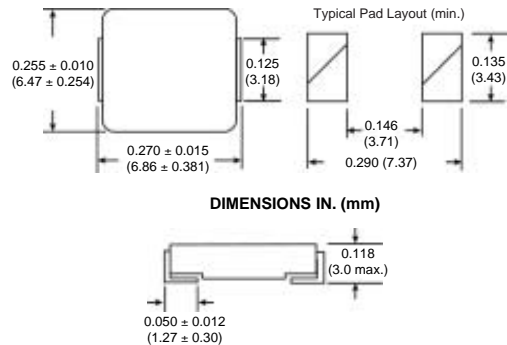
Model	A (max.)	B (max.)
IHD-1	0.270 (6.85)	0.7 (17.78)
IHD-3	0.46 (11.68)	0.9 (22.86)

High Current

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (max. Amps)	Price Each			
					1	25	50	100
70-IHD1-1	IHD1BH1R0L	1	0.009	5.3	2.76	2.30	1.84	1.61
70-IHD1-4.7	IHD1BH4R7L	4.7	0.022	3.4	2.76	2.30	1.84	1.61
70-IHD1-5.6	IHD1BH5R6L	5.6	0.024	3.2	2.76	2.30	1.84	1.61
70-IHD1-6.8	IHD1BH6R8L	6.8	0.026	3.1	2.76	2.30	1.84	1.61
70-IHD1-10	IHD1BH10L	10	0.033	2.8	2.76	2.30	1.84	1.61
70-IHD1-33	IHD1BH330L	33	0.075	1.8	3.09	2.58	2.06	1.80
70-IHD1-47	IHD1BH470L	47	0.104	1.6	3.09	2.58	2.06	1.80
70-IHD1-68	IHD1BH680L	68	0.145	1.3	3.09	2.58	2.06	1.80
70-IHD1-100	IHD1BH101L	100	0.208	1.1	3.09	2.58	2.06	1.80
70-IHD1-150	IHD1BH151L	150	0.330	0.87	3.09	2.58	2.06	1.80
70-IHD1-220	IHD1BH221L	220	0.505	0.70	1.98	1.77	1.61	1.30
70-IHD1-330	IHD1BH331L	330	0.650	0.62	3.09	2.58	2.06	1.80
70-IHD1-390	IHD1BH391L	390	0.770	0.57	3.09	2.58	2.06	1.80
70-IHD1-470	IHD1BH471L	470	1.030	0.49	3.45	2.88	2.30	2.01
70-IHD1-1000	IHD1BH102L	1K	2.300	0.33	9.20	6.10	5.00	3.83
70-IHD3-47	IHD3BH470L	47	0.034	4.0	3.87	3.23	2.58	2.26
70-IHD3-100	IHD3BH101L	100	0.084	1.6	2.97	2.48	1.98	1.73
70-IHD3-150	IHD3BH151L	150	0.129	1.6	2.97	2.48	1.98	1.73
70-IHD3-220	IHD3BH221L	220	0.162	1.6	2.97	2.48	1.98	1.73
70-IHD3-330	IHD3BH331L	330	0.257	1.6	3.36	2.80	2.24	1.96
70-IHD3-470	IHD3BH471L	470	0.393	1.2	3.36	2.80	2.24	1.96
70-IHD3-1K	IHD3BH102L	1K	0.844	0.80	3.36	2.80	2.24	1.96
70-IHD3-1.5K	IHD3BH152L	1.5K	1.180	0.60	3.36	2.80	2.24	1.96

IHLP-2525CZ-01 INDUCTORS



Electrical Specifications:

- Inductance: measured at 1V with no DC current
- Operating Temperature: -55°C to +125°C (no Load)
-55°C to +85°C (at full rated current)
- Tolerance: 20%

Mechanical Specifications:

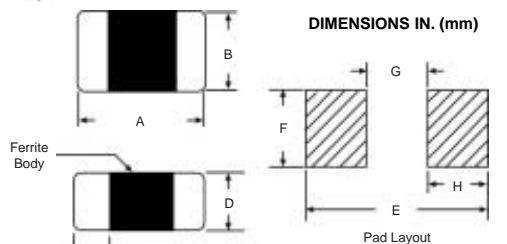
- Wire: solid soft copper
- Terminals: 20 AWG tinned copper leads
- Coating: polyolefin tubing
- Core Material: ferrite

Low Profile, High Current

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	L (μH) ±20% @ 100kHz	DCR max. (mΩ)	Heat Rating Current - Typical	Price Each			
					1	25	50	100
70-IHLP2525CZRZR10M1	IHLP2525CZRZR10M01	0.10	1.7	32.5	1.95	1.63	1.30	1.14
70-IHLP2525CZRZR20M1	IHLP2525CZRZR20M01	0.20	3.0	24.0	1.95	1.63	1.30	1.14
70-IHLP2525CZRZR47M1	IHLP2525CZRZR47M01	0.47	4.2	17.5	1.95	1.63	1.30	1.14
70-IHLP2525CZRZR1R0M1	IHLP2525CZRZR1R0M01	1.00	10	11.0	1.95	1.63	1.30	1.14
70-IHLP2525CZRZR2R2M1	IHLP2525CZRZR2R2M01	2.20	20	8.0	1.53	1.28	1.08	.89
70-IHLP2525CZRZR4R7M1	IHLP2525CZRZR4R7M01	4.70	40	5.5	1.53	1.28	1.08	.89

ILBB-0603/0805 MULTILAYER FERRITE BEADS



Features:

- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating

Environmental Specifications:

- Operating Temperature: -55°C to +125°C
- Thermal Shock: 100 cycles, -40°C to +125°C
- Biased Humidity: 85% RH at 85°C

For quantities of 6000 and up, call for quote.

A	B	C	D
ILBB-0603			
0.063 ± .006 (1.6 ± 0.15)	0.032 ± .006 (0.8 ± 0.15)	0.014 ± .006 (0.36 ± 0.15)	0.032 ± .006 (0.8 ± 0.15)
ILBB-0805			
0.079 ± .008 (2.0 ± 0.2)	0.049 ± .008 (1.25 ± 0.2)	0.020 ± .0012 (0.5 ± 0.3)	0.035 ± .008 (0.9 ± 0.2)
E	F	G	H
ILBB-0603			
0.102 (2.6)	0.031 (0.8)	0.023 (0.6)	0.039 (1.0)
ILBB-0805			
0.120 (3.0)	0.039 (1.0)	0.039 (1.0)	0.039 (1.0)

MOUSER STOCK NO.	Vishay Part No.	Z @ 100MHz (±25%)	DCR max. (Ω)	Rated DC Current (mA)	Price Each				
					1	100	500	1000	4000
0603 Size									
70-ILBB0603RK600V	ILBB0603RK600V	60	0.1	400	.15	.12	.07	.066	.056
70-ILBB0603RK680V	ILBB0603RK680V	68	0.1	200	.15	.12	.07	.066	.056
70-ILBB0603RK121V	ILBB0603RK121V	120	0.2	150	.15	.12	.07	.066	.056
70-ILBB0603RK301V	ILBB0603RK301V	300	0.35	150	.15	.12	.07	.066	.056
70-ILBB0603RK601V	ILBB0603RK601V	600	0.45	100	.15	.12	.07	.066	.056
70-ILBB0603RK751V	ILBB0603RK751V	750	0.6	100	.17	.10	.05	.046	.036
70-ILBB0603RK102V	ILBB0603RK102V	1K	0.6	100	.17	.10	.05	.046	.036
0805 Size									
70-ILBB0805RK110V	ILBB0805RK110V	11	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805RK170V	ILBB0805RK170V	17	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805RK320V	ILBB0805RK320V	32	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805RK121V	ILBB0805RK121V	120	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805RK151V	ILBB0805RK151V	150	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805RK301V	ILBB0805RK301V	300	0.2	200	.17	.10	.05	.046	.036
70-ILBB0805RK601V	ILBB0805RK601V	600	0.3	200	.17	.10	.05	.046	.036
70-ILBB0805RK102V	ILBB0805RK102V	1K	0.35	100	.20	.13	.08	.076	.066
70-ILBB0805RK202V	ILBB0805RK202V	2K	0.5	80	.20	.13	.08	.076	.066

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT



Vishay Axial Lead and Surface Mount Inductors



IM-2 MOLDED INDUCTORS

DIMENSIONS (IN.)



Specifications:

- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000VAC

Features:

- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

For quantities greater than listed, call for quote.

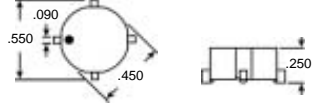
MOUSER STOCK NO.	L (μH)	Induc. Tol.	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IM2-10	.10	±10%	40	25.0	680.0	.08	1350	.53	.36	.29
70-IM2-12	.12	±10%	40	25.0	640.0	.09	1270	.53	.36	.29
70-IM2-15	.15	±10%	38	25.0	600.0	.10	1200	.53	.36	.29
70-IM2-18	.18	±10%	35	25.0	550.0	.12	1105	.53	.36	.29
70-IM2-22	.22	±10%	33	25.0	510.0	.14	1025	.53	.36	.29
70-IM2-27	.27	±10%	33	25.0	430.0	.16	960	.53	.36	.29
70-IM2-33	.33	±10%	30	25.0	410.0	.22	815	.53	.36	.29
70-IM2-39	.39	±10%	30	25.0	365.0	.30	700	.53	.36	.29
70-IM2-47	.47	±10%	30	25.0	330.0	.35	650	.53	.36	.29
70-IM2-56	.56	±10%	30	25.0	300.0	.50	545	.53	.36	.29
70-IM2-68	.68	±10%	28	25.0	275.0	.60	495	.53	.36	.29
70-IM2-82	.82	±10%	28	25.0	250.0	.85	415	.53	.36	.29
70-IM2-1.0	1.0	±10%	25	25.0	230.0	1.0	385	.53	.36	.29
70-IM2-1.2	1.2	±10%	25	7.9	150.0	.18	590	.65	.44	.36
70-IM2-1.5	1.5	±10%	28	7.9	140.0	.22	535	.65	.44	.36
70-IM2-2.2	2.2	±10%	30	7.9	115.0	.40	395	.65	.44	.36
70-IM2-2.7	2.7	±10%	37	7.9	100.0	.55	355	.65	.44	.36
70-IM2-3.3	3.3	±10%	45	7.9	90.0	.85	270	.65	.44	.36
70-IM2-3.9	3.9	±10%	45	7.9	80.0	1.0	250	.65	.44	.36
70-IM2-4.7	4.7	±10%	45	7.9	75.0	1.2	230	.65	.44	.36
70-IM2-5.6	5.6	±10%	50	7.9	65.0	1.8	185	.65	.44	.36
70-IM2-6.8	6.8	±10%	50	7.9	60.0	2.0	175	.65	.44	.36
70-IM2-8.2	8.2	±10%	55	7.9	55.0	2.7	155	.65	.44	.36
70-IM2-10	10.0	±10%	55	7.9	50.0	3.7	130	.65	.44	.36
70-IM2-12	12.0	±10%	45	2.5	40.0	2.7	155	.65	.44	.36
70-IM2-15	15.0	±10%	40	2.5	35.0	2.8	150	.65	.44	.36
70-IM2-22	22.0	±10%	50	2.5	25.0	3.3	140	.65	.44	.36
70-IM2-33	33.0	±10%	45	2.5	24.0	3.4	130	.70	.48	.39
70-IM2-39	39.0	±10%	45	2.5	22.0	3.6	125	.70	.48	.39
70-IM2-47	47.0	±10%	45	2.5	20.0	4.5	110	.70	.48	.39
70-IM2-56	56.0	±10%	45	2.5	18.0	5.7	100	.70	.48	.39
70-IM2-100	100.0	±10%	50	2.5	13.0	8.0	84	.82	.55	.45
70-IM2-220	220.0	±10%	30	.79	9.0	21.0	52	.82	.55	.45
70-IM2-330	330.0	±10%	30	.79	7.0	28.0	45	.88	.60	.48
70-IM2-470	470.0	±10%	30	.79	6.0	42.0	36	.88	.60	.48
70-IM2-1000	1000.0	±10%	30	.79	3.4	72.0	28	1.04	.70	.57

Inductors Vishay



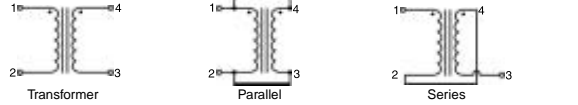
LPT-4545 TOROIDAL SURFACE MOUNT INDUCTORS

DIMENSIONS (IN.)



Features:

- Toroidal design for minimal EMI radiation in DC to DC converter applications
- Designed to support the growing need for efficient DC to DC converters in battery operated equipment
- Two separate windings provide versatility by ability to connect windings in series or parallel



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallel Connected			Series Connected			Price Each		
	Ind. (μH) ±15%	Rated Current (A)	DCR max. (Ω)	Ind. (μH) ±15%	Rated Current (A)	DCR max. (Ω)	1	10	25
70-LPT4545-100LA	10	4.000	.030	40	2.000	.120	9.30	8.75	8.43
70-LPT4545-200LA	20	2.100	.050	80	1.050	.215	9.30	8.75	8.43
70-LPT4545-500LA	50	1.350	.105	200	.675	.420	9.30	8.75	8.43
70-LPT4545-101LA	100	.950	.175	400	.475	.700	9.30	8.75	8.43
70-LPT4545-151LA	150	.720	.330	600	.360	1.32	9.30	8.75	8.43



IHA HIGH CURRENT FILTER INDUCTORS

Features:

- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Designed for use with switching power supplies
- Protected by polyolefin sleeve

Specifications:

- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Current rating: maximum continuous operating current (DC or RMS) based on 50°C temperature rise
- Operating temperature: -55°C to +75°C @ rated current



DIMENSIONS (IN.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions (In.)			Price Each		
				A max.	B max.	C±.002	1	10	25
70-IHA-101	50	.12	2.5	.475	.800	.032	2.80	1.90	1.55
70-IHA-102	100	.16	2.1	.475	.800	.032	2.80	1.90	1.55
70-IHA-103	250	.28	1.8	.475	1.05	.032	3.20	2.15	1.75
70-IHA-104	500	.42	1.6	.550	1.05	.032	3.20	2.15	1.75
70-IHA-105	1000	.60	1.4	.550	1.175	.032	3.65	2.50	2.00
70-IHA-201	27	.060	3.7	.500	.800	.032	2.80	1.90	1.55
70-IHA-202	50	.085	3.1	.500	.800	.032	2.80	1.90	1.55
70-IHA-203	100	.12	2.7	.500	.920	.032	3.20	2.15	1.75
70-IHA-204	250	.20	2.4	.600	.920	.032	3.20	2.15	1.75
70-IHA-205	500	.32	2.3	.750	1.05	.032	4.85	3.30	2.70
70-IHA-301	5	.015	6.8	.475	.800	.032	2.80	1.90	1.55
70-IHA-302	10	.021	6.1	.475	.920	.032	2.80	1.90	1.55
70-IHA-303	27	.040	4.8	.550	.800	.032	2.80	1.90	1.55
70-IHA-304	50	.050	4.3	.550	.920	.032	2.80	1.90	1.55
70-IHA-305	100	.070	4.2	.550	1.175	.032	3.20	2.15	1.75
70-IHA-502	10	.015	8.3	.475	1.05	.040	3.65	2.50	2.00
70-IHA-505	100	.060	5.9	.700	1.30	.040	4.85	3.30	2.70



IMS-5 INDUCTORS

Specifications:

- Meets MIL spec.: MIL-C-15305
- Insulation resistance: 1000MΩ
- Dielectric strength: 1000VAC
- Operating temperature range: -55°C to +105°C

Features:

- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

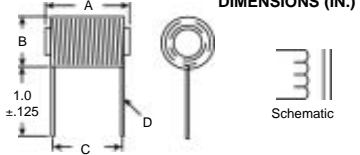


MOUSER STOCK NO.	L (μH)	Induc. Tol.	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IMS5-1.0	1.0	±10%	44	25.0	140.0	.07	1070	1.14	.77	.63
70-IMS5-2.2	2.2	±10%	44	7.9	100.0	.19	650	1.08	.73	.59
70-IMS5-3.3	3.3	±10%	44	7.9	85.0	.35	480	1.08	.73	.59
70-IMS5-4.7	4.7	±10%	44	7.9	70.0	.55	380	1.08	.73	.59
70-IMS5-10	10.0	±10%	50	7.9	46.0	1.62	220	1.08	.73	.59
70-IMS5-15	15.0	±10%	45	2.5	49.0	.80	315	1.08	.73	.59
70-IMS5-18	18.0	±10%	45	2.5	45.0	.89	300	1.08	.73	.59
70-IMS5-22	22.0	±10%	45	2.5	41.0	.96	290	1.08	.73	.59
70-IMS5-27	27.0	±10%	45	2.5	38.0	1.19	260	1.08	.73	.59
70-IMS5-33	33.0	±10%	45	2.5	34.0	1.37	240	1.08	.73	.59
70-IMS5-39	39.0	±10%	50	2.5	29.0	1.93	205	1.08	.73	.59
70-IMS5-47	47.0	±10%	50	2.5	27.0	2.11	195	1.08	.73	.59
70-IMS5-56	56.0	±10%	50	2.5	25.0	2.23	190	1.08	.73	.59
70-IMS5-100	100.0	±10%	50	2.5	10.0	3.12	160	1.14	.77	.63
70-IMS5-150	150.0	±10%	55	.79	8.5	4.1	140	1.14	.77	.63
70-IMS5-220	220.0	±10%	55	.79	7.5	5.0	125	1.14	.77	.63
70-IMS5-470	470.0	±10%	60	.79	5.7	9.5	92	1.26	.85	.69
70-IMS5-1000	1000.0	±10%	60	.79	3.8	17.5	70	1.26	.85	.69
70-IMS5-2200	2200.0	±10%	45	.25	.97	33.8	50	1.26	.85	.69
70-IMS5-3300	3300.0	±10%	45	.25	.84	53.0	40	1.31	.88	.72
70-IMS5-4700	4700.0	±10%	45	.25	.74	81.6	31	1.31	.88	.72
70-IMS5-5600	5600.0	±10%	44	.25	.73	98.9	28	1.46	.99	.80
70-IMS5-6800	6800.0	±10%	40	.25	.66	111.0	27	1.46	.99	.80



IH HIGH CURRENT FILTER INDUCTORS

DIMENSIONS (IN.)



Features:

- Printed circuit mounting
- Pre-tinned leads
- Protected by polyolefin tubing

Specifications:

- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Operating temperature: -55°C to +75°C @ rated current

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions (In.)				Price Each		
				A max.	B max.	C±.062	D±.005	1	10	25
70-IH3-5	5	.015	10.0	.875	.600	.500	.042	7.00	4.75	3.85
70-IH3-10	10	.018	9.0	1.125	.625	.687	.042	7.29	4.94	4.00
70-IH3-27	27	.035	7.0	.875	.800	.437	.042	7.85	5.30	4.30
70-IH3-50	50	.050	5.6	.875	.800	.750	.042	8.05	5.45	4.40
70-IH3-100	100	.065	5.2	1.125	.800	.937	.042	8.53	5.78	4.68
70-IH3-150	150	.075	5.0	1.375	.800	1.062	.042	9.18	6.20	5.05
70-IH3-250	250	.090	5.0	1.625	.800	1.312	.042	9.60	6.50	5.25
70-IH5-5	5	.012	14.0	.875	.625	.750	.053	7.00	4.75	3.85
70-IH5-10	10	.015	12.0	1.125	.625	1.0	.053	7.00	4.75	3.85
70-IH5-50	50	.030	8.0	1.125	.840	.750	.053	7.95	5.40	4.35
70-IH5-100	100	.050	7.5	1.375						

NEW PRODUCT NEW PRODUCT NEW PRODUCT NEW PRODUCT

YAGEO FERRITE CHIP BEADS

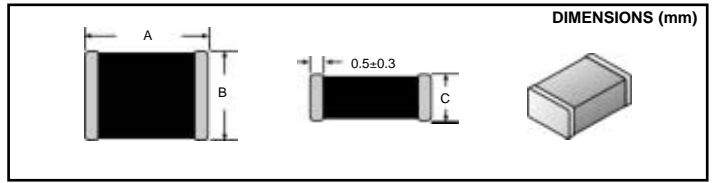
Ferrite Chip Beads provide an effective means of EM/RFI attenuation for electronic equipment. These items are specially designed for flow, reflow, and wave soldering applications.

Specifications:

- Impedance tolerance: ±25%
- Operating temperature: -25°C to 85°C
- Storage temperature: -40°C to 85°C

Stock Number:
240-SBY321616T-600Y
dimensions
* C = .1.6±0.2

EIA SIZE	Dimensions (mm)		
	A	B	C
0603	1.6±0.2	0.80±0.5	0.80±0.15
0805	2.0±0.2	1.25±0.2	0.9±0.2
* 1206	3.2±0.2	1.6±0.2	1.1±0.2
1210	3.2±0.2	2.5±0.2	1.3±0.2
1806	4.5±0.25	1.6±0.2	1.6±0.2
1812	4.5±0.25	3.2±0.2	1.5±0.2



For quantities of 1000 and up, call for quote.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	EIA Size	Imped. (Ω) @ 100MHz	DC Resist. (Ω) max.	Rated Current (mA) max.	Price Each			Reel Qty.	Reel Price Each
					1	100	500		
240 - SBK160808T-110Y	0603	11	.05	500	.07	.065	.055	4000	.053
240 - SBK160808T-190Y	0603	19	.08	500	.07	.065	.055	4000	.053
240 - SBK160808T-300Y	0603	30	.10	400	.07	.065	.055	4000	.053
240 - SBK160808T-400Y	0603	40	.10	400	.07	.065	.055	4000	.053
240 - SBK160808T-600Y	0603	60	.10	300	.07	.065	.055	4000	.053
240 - SBK160808T-800Y	0603	80	.15	300	.07	.065	.055	4000	.053
240 - SBK160808T-121Y	0603	120	.25	300	.07	.065	.055	4000	.053
240 - SBK160808T-221Y	0603	220	.30	200	.07	.065	.055	4000	.053
240 - SBK160808T-301Y	0603	300	.40	200	.07	.065	.055	4000	.053
240 - SBK160808T-451Y	0603	450	.50	200	.07	.065	.055	4000	.053
240 - SBK160808T-601Y	0603	600	.50	200	.07	.065	.055	4000	.053
240 - SBK160808T-751Y	0603	750	.70	200	.07	.065	.055	4000	.053
240 - SBK160808T-102Y	0603	1000	.70	200	.07	.065	.055	4000	.053
240 - SBK160808T-152Y	0603	1500	1.0	50	.07	.065	.055	4000	.053
240 - SBK160808T-222Y	0603	2200	1.2	50	.09	.085	.065	4000	.053
240 - SBY201209T-070Y	0805	7	.10	600	.09	.085	.065	4000	.053
240 - SBY201209T-090Y	0805	9	.10	600	.09	.085	.065	4000	.053
240 - SBY201209T-110Y	0805	11	.10	600	.09	.085	.065	4000	.042
240 - SBY201209T-170Y	0805	17	.10	600	.09	.085	.065	4000	.053
240 - SBY201209T-320Y	0805	32	.10	600	.09	.085	.065	4000	.053
240 - SBK201209T-600Y	0805	60	.15	500	.09	.085	.065	4000	.053

MOUSER STOCK NO.	EIA Size	Imped. (Ω) @ 100MHz	DC Resist. (Ω) max.	Rated Current (mA) max.	Price Each			Reel Qty.	Reel Price Each
					1	100	500		
240 - SBK201209T-700Y	0805	70	.15	500	.09	.085	.065	4000	.053
240 - SBK201209T-800Y	0805	80	.15	500	.09	.085	.065	4000	.053
240 - SBK201209T-121Y	0805	120	.60	200	.09	.085	.065	4000	.042
240 - SBK201209T-151Y	0805	150	.50	300	.09	.085	.065	4000	.042
240 - SBK201209T-221Y	0805	220	.30	300	.09	.085	.065	4000	.053
240 - SBK201209T-301Y	0805	300	.30	300	.09	.085	.065	4000	.053
240 - SBK201209T-401Y	0805	400	.30	300	.09	.085	.065	4000	.053
240 - SBK201209T-501Y	0805	500	.40	300	.09	.085	.065	4000	.053
240 - SBK201209T-601Y	0805	600	1.0	200	.09	.085	.065	4000	.042
240 - SBK201209T-751Y	0805	750	.50	200	.09	.085	.065	4000	.053
240 - SBK201209T-102Y	0805	1000	.50	200	.09	.085	.065	4000	.053
240 - SBK201209T-152Y	0805	1500	.60	200	.09	.085	.065	4000	.053
240 - SBK201209T-202Y	0805	2000	.80	100	.09	.085	.065	4000	.053
240 - SBK201290T-222Y	0805	2200	1.0	100	.09	.085	.065	4000	.053
240 - SBY321611T-320Y	1206	32	.15	500	.09	.085	.065	3000	.042
240 - SBY321616T-600Y	1206	60	.50	200	.09	.085	.065	2000	.042
240 - SBK321611T-601Y	1206	600	.40	200	.09	.085	.065	3000	.042
240 - SBY322513T-600Y	1210	60	.30	400	.09	.085	.065	2500	.048
240 - SBY451616T-800Y	1806	80	.30	400	.09	.085	.072	2000	.066
240 - SBK451616T-151Y	1806	150	.50	200	.09	.085	.072	2000	.066
240 - SBY453215T-121Y	1812	120	.40	300	.10	.089	.085	1000	.081

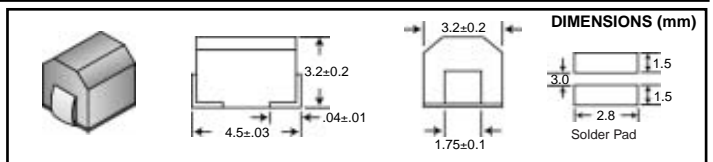
YAGEO MAGNETIC SHIELDED WIREWOUND SMD INDUCTORS

Specifications:

- Temperature rise: 20°C (max.)
- Ambient temperature: 80°C (max.)
- Operating temperature: -20°C to +100°C
- Storage temperature: -40°C to +100°C

Features:

- Very strong solderability
- Can be mounted automatically
- Terminals are highly resistant to pull forces
- Highly resistant to mechanical shocks and pressure



For quantities of 1000 and up, call for quote.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q (min.)	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated DC (mA)	Price Each			Reel Price Each
							1	10	100	
240 - NL453232T-R10M	0.10	28	25.20	700	0.44	450	.49	.39	.27	.17
240 - NL453232T-R15M	0.15	30	25.20	450	0.25	450	.49	.39	.27	.17
240 - NL453232T-R22M	0.22	30	25.20	350	0.32	450	.49	.39	.27	.17
240 - NL453232T-R33M	0.33	30	25.20	300	0.40	450	.49	.39	.27	.17
240 - NL453232T-R47M	0.47	30	25.20	220	0.50	450	.49	.39	.27	.17
240 - NL453232T-R68M	0.68	30	25.20	160	0.60	450	.49	.39	.27	.17
240 - NL453232T-1R0M	1.0	50	7.96	100	0.50	450	.49	.39	.27	.17
240 - NL453232T-1R2M	1.2	50	7.96	80	0.55	430	.49	.39	.27	.17
240 - NL453232T-1R5M	1.5	50	7.96	70	0.60	410	.49	.39	.27	.17
240 - NL453232T-1R8M	1.8	50	7.96	60	0.65	390	.49	.39	.27	.17
240 - NL453232T-2R2M	2.2	50	7.96	55	0.70	380	.49	.39	.27	.17
240 - NL453232T-2R7M	2.7	50	7.96	50	0.75	370	.49	.39	.27	.17
240 - NL453232T-3R3M	3.3	50	7.96	45	0.80	355	.49	.39	.27	.17
240 - NL453232T-4R7M	4.7	50	7.96	35	1.00	315	.49	.39	.27	.17
240 - NL453232T-5R6M	5.6	50	7.96	33	1.10	300	.49	.39	.27	.17
240 - NL453232T-6R8K	6.8	50	7.96	27	1.20	285	.49	.39	.27	.17
240 - NL453232T-8R2K	8.2	50	7.96	25	1.40	270	.49	.39	.27	.17

MOUSER STOCK NO.	L (μH)	Q (min.)	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated DC (mA)	Price Each			Reel Price Each
							1	10	100	
240 - NL453232T-100K	10	50	2.52	20	1.60	250	.49	.39	.27	.17
240 - NL453232T-120K	12	50	2.52	18	2.00	225	.49	.39	.27	.17
240 - NL453232T-150K	15	50	2.52	17	2.50	200	.49	.39	.27	.17
240 - NL453232T-180K	18	50	2.52	15	2.80	190	.49	.39	.27	.17
240 - NL453232T-220K	22	50	2.52	13	3.20	180	.49	.39	.27	.17
240 - NL453232T-270K	27	50	2.52	12	3.60	170	.49	.39	.27	.17
240 - NL453232T-330K	33	50	2.52	11	4.00	160	.49	.39	.27	.17
240 - NL453232T-470K	47	50	2.52	10	5.00	140	.49	.39	.27	.17
240 - NL453232T-560K	56	50	2.52	9	5.50	135	.49	.39	.27	.17
240 - NL453232T-101K	100	40	0.796	7	8.00	110	.49	.39	.27	.17
240 - NL453232T-151K	150	40	0.796	5	9.00	105	.49	.39	.27	.17
240 - NL453232T-181K	180	40	0.796	5	9.50	102	.49	.39	.27	.17
240 - NL453232T-221K	220	40	0.796	4	12.00	100	.49	.39	.27	.17
240 - NL453232T-331K	330	30	0.796	3	20.00	85	.49	.39	.27	.17
240 - NL453232T-471K	470	30	0.796	3	26.00	62	.49	.39	.27	.17
240 - NL453232T-681K	680	30	0.796	2	40.00	50	.49	.39	.27	.17
240 - NL453232T-102K	1000	30	0.796	2	50.00	30	.49	.39	.27	.17

YAGEO EPOXY DIPPED PEAKING COILS

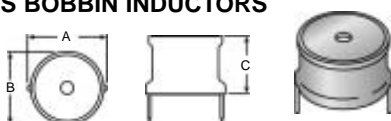
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Curr. (mA)	Color Code			Price Each			
						1st	2nd	3rd	1	100	500	1000
240 - PC0710L-R22M	0.22	25.2	287	0.123	---	Red	Red	Slvr	.46	.30	.26	.21
240 - PC0710L-R33M	0.33	25.2	217	0.138	---	Org	Org	Slvr				
240 - PC0710L-R47M	0.47	25.2	161	0.15	---	Yel	Yio	Slvr				
240 - PC0710L-R68M	0.68	25.2	126	0.167	---	Blu	Gry	Slvr				
240 - PC0710L-1R0M	1	7.96	96	0.201	330	Brn	Blk	Gld				
240 - PC0710L-1R2K	1.2	7.96	84	0.218	320	Brn	Red	Gld				
240 - PC0710L-1R5K	1.5	7.96	71	0.24	315	Brn	Grn	Gld				
240 - PC0710L-2R2K	2.2	7.96	55	0.28	300	Red	Red	Gld				
240 - PC0710L-2R7K	2.7	7.96	50	0.281	295	Red	Vio	Gld				
240 - PC0710L-3R3K	3.3	7.96	43	0.338	285	Org	Org	Gld				
240 - PC0710L-4R7K	4.7	7.96	33	0.42	275	Yel	Vio	Gld				
240 - PC0710L-5R6K	5.6	7.96	29	0.45	270	Grn	Blu	Gld				
240 - PC0710L-6R8K	6.8	7.96	25	0.488	260	Blu	Gry	Gld				
240 - PC0710L-100K	10	2.52	20	1.14	250	Brn	Blk	Blk				
240 - PC0710L-150K	15	2.52	13	1.4	235	Brn	Grn	Blk				
240 - PC0710L-180K	18	2.52	12	1.55	225	Brn	Gry	Blk				
240 - PC0710L-220K	22	2.52	10	1.73	220	Red	Red	Blk				
240 - PC0710L-270K	27	2.52	9	1.95	215	Red	Vio	Blk				

1400 SERIES BOBBIN INDUCTORS

Features:

- Low DC resistance
- Low temperature dependence
- Operating temperature: -40°C to +85°C



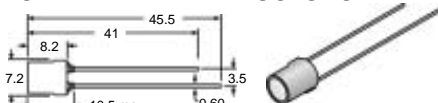
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Self Reson. Freq. MHz	Dimensions (mm)			Price Each			
					A	B	C	1	25	50	100
580-1410313	10	.007	13	20.7	27.0	24.4	14.0	2.49	2.42	2.11	2.02
580-1415312	15	.009	12	12.7	27.0	24.4	14.0	2.49	2.42	2.11	2.02
580-1422311	22	.011	11	9.3	27.0	24.4	14.0	2.49	2.42	2.11	2.02
580-1433393	33	.015	9.3	9.1	27.0	24.4	14.0	2.49	2.42	2.11	2.02
580-1447383	47	.019	8.3	6.0	27.0	24.4	18.5	2.62	2.54	2.22	2.12
580-1468362	68	.032	6.2	5.3	26.5	24.4	14.0	2.49	2.42	2.11	2.02
580-1410454	100	.042	5.4	4.6	26.4	24.4	14.0	2.49	2.42	2.11	2.02
580-1415440	150	.069	4.0	3.4	26.2	24.4	14.0	2.49	2.42	2.11	2.02
580-1422435	220	.096	3.5	2.8	26.1	24.4	14.0	2.49	2.42	2.11	2.02
580-1433428	330	.150	2.8	2.5	25.9	24.4	14.0	2.49	2.42	2.11	2.02
580-1447423	470	.222	2.3	2.0	25.7	24.4	14.0	2.49	2.42	2.11	2.02
580-1468420	680	.276	2.0	1.6	25.7	24.4	14.0	2.49	2.42	2.11	2.02
580-1468422	680	.226	2.2	1.3	25.9	24.4	18.5	2.62	2.54	2.21	2.13
580-1410516	1000	.419	1.6	1.4	25.6	24.4	14.0	2.49	2.42	2.11	2.02

1700 SERIES RADIAL LEAD INDUCTORS

Features:

- Low DC resistance
- Low temperature dependence
- Operating temperature: 0°C to 70°C



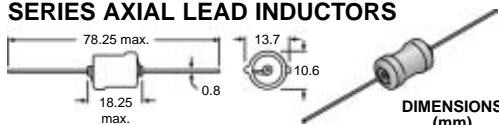
DIMENSIONS (mm)

MOUSER STOCK NO.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz		Nom. Self Reson. Freq. MHz	Price Each			
				Q	f		1	25	50	100
580-17103	10	0.05	1.80	40	1000	21.2	1.19	1.15	1.00	.96
580-17153	15	0.06	1.50	30	500	19.4	1.19	1.15	1.00	.96
580-17223	22	0.09	1.20	30	500	17.0	1.19	1.15	1.00	.96
580-17333	33	0.13	1.00	25	500	11.4	1.19	1.15	1.00	.96
580-17473	47	0.20	0.86	25	500	10.9	1.19	1.15	1.00	.96
580-17683	68	0.26	0.85	70	100	10.6	1.19	1.15	1.00	.96
580-17104	100	0.35	0.74	65	100	8.9	1.19	1.15	1.00	.96
580-17154	150	0.49	0.58	80	100	6.2	1.19	1.15	1.00	.96
580-17224	220	0.75	0.48	90	100	5.4	1.19	1.15	1.00	.96
580-17334	330	1.10	0.42	95	100	4.5	1.19	1.15	1.00	.96
580-17474	470	1.56	0.34	100	100	3.2	1.19	1.15	1.00	.96
580-17684	680	2.40	0.28	105	100	3.0	1.19	1.15	1.00	.96
580-17105	1000	3.30	0.19	120	100	2.5	1.19	1.15	1.00	.96

1800 SERIES AXIAL LEAD INDUCTORS

Features:

- Low DC resistance
- Compact size
- Operating temperature: 0°C to +70°C



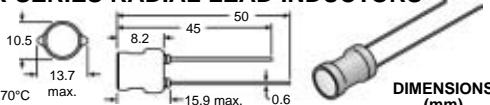
DIMENSIONS (mm)

MOUSER STOCK NO.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz		Nom. Self Reson. Freq. MHz	Price Each			
				Q	f		1	25	50	100
580-18103	10	15	3.45	64	1000	19.0	1.44	1.39	1.21	1.16
580-18153	15	18	3.00	55	500	15.9	1.44	1.39	1.21	1.16
580-18223	22	25	2.42	59	500	11.8	1.44	1.39	1.21	1.16
580-18333	33	40	2.00	48	500	11.5	1.44	1.39	1.21	1.16
580-18473	47	55	1.65	55	500	8.5	1.44	1.39	1.21	1.16
580-18683	68	70	1.35	31	100	6.6	1.44	1.39	1.21	1.16
580-18104	100	100	1.20	40	100	7.4	1.44	1.39	1.21	1.16
580-18154	150	165	1.10	47	100	4.4	1.44	1.39	1.21	1.16
580-18224	220	230	0.90	46	100	3.5	1.44	1.39	1.21	1.16
580-18334	330	335	0.73	58	100	3.0	1.44	1.39	1.21	1.16
580-18474	470	465	0.60	56	100	2.2	1.44	1.39	1.21	1.16
580-18684	680	630	0.53	55	100	2.0	1.44	1.39	1.21	1.16
580-18105	1000	1	0.44	94	50	1.6	1.44	1.39	1.21	1.16

1800R SERIES RADIAL LEAD INDUCTORS

Features:

- Low DC resistance
- Compact size
- Low temperature dependence
- Operating temperature: 0°C to 70°C



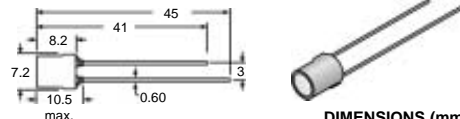
DIMENSIONS (mm)

MOUSER STOCK NO.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Self Reson. Freq. MHz	Nom. Q @ f kHz	Price Each				
						1	25	50	100	
580-18R103	10	15	3.45	59	500	23.8	1.44	1.39	1.21	1.16
580-18R153	15	18	3.00	55	500	17.0	1.44	1.39	1.21	1.16
580-18R223	22	25	2.42	51	500	14.1	1.44	1.39	1.21	1.16
580-18R333	33	40	2.00	48	500	11.5	1.44	1.39	1.21	1.16
580-18R473	47	55	1.65	46	500	9.85	1.44	1.39	1.21	1.16
580-18R683	68	70	1.35	27	100	8.29	1.44	1.39	1.21	1.16
580-18R104	100	100	1.20	40	100	7.40	1.44	1.39	1.21	1.16
580-18R154	150	165	1.10	40	100	5.58	1.44	1.39	1.21	1.16
580-18R224	220	230	0.90	39	100	4.0	1.44	1.39	1.21	1.16
580-18R334	330	335	0.73	49	100	3.57	1.44	1.39	1.21	1.16
580-18R474	470	465	0.60	50	100	2.81	1.44	1.39	1.21	1.16
580-18R684	680	630	0.53	48	100	2.43	1.44	1.39	1.21	1.16
580-18R105	1000	1	0.44	92	50	1.82	1.44	1.39	1.21	1.16

2200R SERIES RADIAL LEAD INDUCTORS

Features:

- Low DC resistance
- Miniature size
- Low temperature dependence
- Operating temperature: -25°C to +70°C



DIMENSIONS (mm)

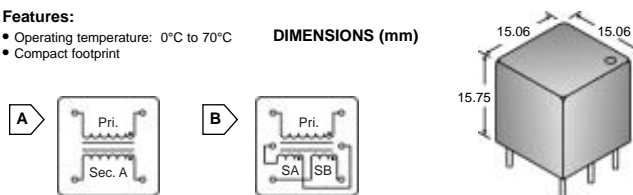
MOUSER STOCK NO.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz		Nom. Self Reson. Freq. MHz	Price Each			
				Q	f		1	25	50	100
580-22R103	10	.07	1.50	140	1400	40.0	.58	.56	.49	.47
580-22R153	15	.80	1.10	150	1400	30.0	.58	.56	.49	.47
580-22R223	22	.11	1.00	150	950	20.0	.58	.56	.49	.47
580-22R333	33	.15	.92	150	950	15.0	.58	.56	.49	.47
580-22R473	47	.28	.78	160	600	12.8	.58	.56	.49	.47
580-22R683	68	.30	.77	150	700	6.8	.58	.56	.49	.47
580-22R104	100	.50	.66	160	450	6.0	.58	.56	.49	.47
580-22R154	150	.54	.52	160	300	4.4	.58	.56	.49	.47
580-22R224	220	1.05	.44	150	250	3.7	.58	.56	.49	.47
580-22R334	330	1.21	.38	150	250	3.3	.58	.56	.49	.47
580-22R474	470	1.87	.31	140	250	2.9	.58	.56	.49	.47
580-22R684	680	2.70	.25	120	250	2.2	.58	.56	.49	.47
580-22R105	1000	3.80	.17	150	250	1.8	.58	.56	.49	.47

1000 SERIES PULSE TRANSFORMERS

Features:

- Operating temperature: 0°C to 70°C
- Compact footprint

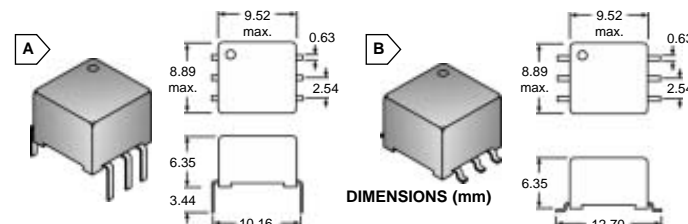
DIMENSIONS (mm)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig	Primary Ind. Max. (mH)	RDC Max. (Ω)			Isolation Voltage	Price Each			
			Primary	Sec. A	Sec. B		1	25	50	100
580-1001	A	3	1.2	1.0	- - -	2000	4.31	4.18	3.64	3.48
580-1002	B	3	1.4	1.3	1.7	2000	4.75	4.61	4.02	3.84
580-1003	B	12	4.0	1.8	2.4	2000	5.12	4.96	4.32	4.14

CONVERTER TRANSFORMERS



DIMENSIONS (mm)

78250 SERIES

The 78250 Series of converter transformers are specifically designed for use with Maxim chip sets to provide isolated RS232 interfaces. Carefully controlled turns ratios ensure consistent performance whilst a toroidal construction minimizes EMI.

Features:

- Standard pinout
- Fully encapsulated
- Maxim compatible
- Operating temperature: -40°C to 85°C

Surface Mount Device

MOUSER STOCK NO.	Fig	Primary Ind. Max. (mH)	Leakage Ind. Max. (µH)	RDC Max. (Ω)	Isolation Voltage	Price Each			
						1	25	50	100
580-78250	A	2.5	3.0	2	1500	2.64	2.56	2.23	2.14
580-78250M	B	2.5	3.0	2	1500	2.64	2.56	2.23	2.14
580-78250V	A	2.5	40	2	4000	3.43	3.33	2.90	2.78
580-78250MV	B	2.5	40	2	4000	3.43	3.33	2.90	2.78

78253 SERIES

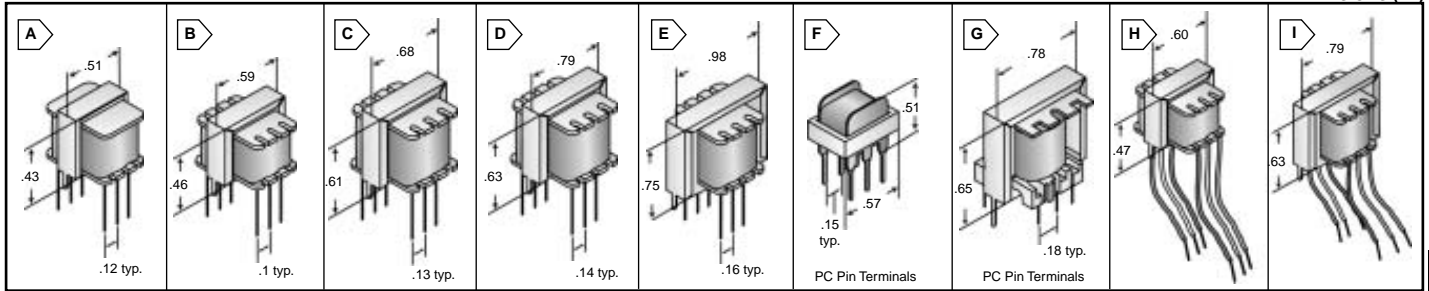
The 78253 Series of converter transformers are designed for use with the MAX253 chip set to provide isolated power supplies. A centre tapped secondary winding allows for full bridge, half bridge or voltage doubling.

Features:

- Industrial standard pinout
- Fully encapsulated
- MAX253 compatible
- Operating temperature: -40°C to 85°C

Surface Mount Device

MOUSER STOCK NO.	Fig	Input Voltage	Output Voltage	Output Current (mA max.)	Isolation Voltage	Price Each			
						1	25	50	100
580-7825335	A	3.3	5.0	100	1500	2.64	2.56	2.23	2.14
580-7825335M	B	3.3	5.0	100	1500	2.64	2.56	2.23	2.14
580-7825355	A	5.0	5.0	200	1500	2.64	2.56	2.23	2.14
580-7825355M	B	5.0	5.0	200	1500	2.64	2.56	2.23	2.14
580-7825355V	A	3.3	5.0	100	4000	3.43	3.33	2.90	2.78
580-7825355MV	B	3.3	5.0	100	4000	3.43</			



PC LEADS

* Dual Secondaries For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)		Resistance (Ω)		Application (Typical)	Price Each			
		Pri.	Sec.	Pri.	Sec.		1	100	500	1000
Microminiature Core Type EI-12, 75mW Max Output										
42TC030	A	100 CT	100 CT	9.12	7.20	Coupling	2.35	1.96	1.78	1.62
42TC001	A	500 CT	8 CT	44	1	Output	2.64	2.20	2.00	1.74
42TC016	A	600 CT	600 CT	68	55	Coupling	2.64	2.20	2.00	1.74
42TC013	A	1K CT	8 CT	55	1	Output	2.64	2.20	2.00	1.74
42TC021	A	4.0K CT	600 CT	173	45.5	Coupling	2.55	2.13	1.93	1.75
42TC019	A	10K CT	600 CT	375	62.6	Coupling	2.61	2.18	1.98	1.80
Ultraminiature Core Type EI-14, 75mW Max Output										
42TL030	B	100 CT	100 CT	10.9	9.10	Coupling	1.43	1.19	1.08	.98
42TL004	B	200 CT	8 CT	12	1	Output	1.37	1.14	1.04	.90
42TL023	B	300 CT	600 CT	30	35	Coupling	1.37	1.14	1.04	.90
42TL001	B	500 CT	8 CT	35	1	Output	1.37	1.14	1.04	.90
42TL026	B	500 CT	16 CT	43	1.9	Output	1.37	1.14	1.04	.90
42TL009	B	500 CT	500 CT	40	38	Interstage	1.37	1.14	1.04	.90
42TL031	B	600 CT	100 CT	42.8	20.2	Coupling	1.52	1.25	1.14	1.04
42TL016	B	600 CT	600 CT	65	55	Coupling	1.37	1.14	1.04	.90
42TL020	B	600 CT	900 CT	36	50	Coupling	1.37	1.14	1.04	.90
42TL008	B	800 CT	8 CT	40	1	Output	1.37	1.14	1.04	.90
42TL013	B	1K CT	8 CT	60	1	Output	1.37	1.14	1.04	.90
42TL027	B	1K CT	2K CT	130	140	Coupling	1.37	1.14	1.04	.90
42TL003	B	1.2K CT	8 CT	80	1	Output	1.37	1.14	1.04	.90
42TL011	B	1.5K CT	500 CT	120	55	Interstage	1.37	1.14	1.04	.90
42TL022	B	1.5K CT	600 CT	125	55	Coupling	1.37	1.14	1.04	.90
42TL021	B	4K CT	600 CT	148	64	Coupling	1.37	1.14	1.04	.90
42TL018	B	7K CT	10K CT	400	385	Interstage	1.64	1.37	1.24	1.08
42TL024	B	10K CT	500 CT	530	136	Coupling	1.46	1.21	1.10	.96
42TL019	B	10K CT	600 CT	450	100	Coupling	1.46	1.21	1.10	.96
42TL002	B	10K CT	2K CT	500	200	Driver	1.46	1.21	1.10	.96
42TL012	B	10K CT	5K CT	900	500	Interstage	1.64	1.37	1.24	1.08
42TL218	B	10K CT	10K CT	715	583	Interstage	1.94	1.62	1.48	1.34
42TL025	B	17K CT	1K CT	693	146	Coupling	1.46	1.21	1.10	.96
42TL017	B	20K CT	600 CT	693	66	Coupling	1.64	1.37	1.24	1.08
42TL006	B	20K CT	1K CT	600	110	Interstage	1.46	1.21	1.10	.96

Dual Secondary Ultraminiature Core Type EI-14, 75mW Max Output										
42TL028	B	600 CT	600/600	72	56/56	Coupling	1.46	1.21	1.10	.96

Micro-Subminiature Core Type EI-16, 100mW Max Output										
42MC001	C	500 CT	8 CT	80	3.5	Output	1.59	1.33	1.21	1.05

Core Type EI-19, 200mW Max Output										
42TM030	D	100 CT	100 CT	9.25	7.80	Coupling	1.68	1.40	1.27	1.15
42TM004	D	200 CT	8 CT	12	1	Output	1.73	1.44	1.31	1.14
42TM010	D	350 CT	8 CT	20	1	Output	1.73	1.44	1.31	1.14
42TM118	D	400 CT	8 CT	40	1	Output	1.73	1.44	1.31	1.14
42TM001	D	500 CT	8 CT	26	1	Output	1.73	1.44	1.31	1.14
42TM026	D	500 CT	16 CT	50	5	Output	1.73	1.44	1.31	1.14
42TM009	D	500 CT	500 CT	50	40	Interstage	1.73	1.44	1.31	1.14
42TM031	D	600 CT	100 CT	30.1	14.3	Coupling	1.83	1.53	1.39	1.26
42TM023	D	600 CT	300 CT	55	30	Coupling	1.73	1.44	1.31	1.14
42TM016	D	600 CT	600 CT	65	55	Coupling	1.73	1.44	1.31	1.14
42TM008	D	800 CT	8 CT	40	1	Output	1.73	1.44	1.31	1.14
42TM013	D	1K CT	8 CT	75	1	Output	1.73	1.44	1.31	1.14
42TM027	D	1K CT	2K CT	85	85	Coupling	1.73	1.44	1.31	1.14
42TM003	D	1.2K CT	8 CT	80	1	Output	1.73	1.44	1.31	1.14
42TM011	D	1.5K CT	500 CT	120	50	Interstage	1.73	1.44	1.31	1.14
42TM022	D	1.5K CT	600 CT	65	45	Coupling	1.73	1.44	1.31	1.14
42TM021	D	4K CT	600 CT	244	77	Coupling	1.73	1.44	1.31	1.14
42TM114	D	4.6K CT	20 CT	300	2	Input	1.73	1.44	1.31	1.14
42TM113	D	8K	3K CT	300	200	Driver	1.73	1.44	1.31	1.14
42TM024	D	10K CT	500 CT	550	150	Coupling	1.91	1.59	1.45	1.26

PC LEADS (cont.)

* Dual Secondaries For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)		Resistance (Ω)		Application (Typical)	Price Each			
		Pri.	Sec.	Pri.	Sec.		1	100	500	1000
Core Type EI-19, 200mW Max Output										
42TM019	D	10K CT	600 CT	600	100	Coupling	1.91	1.59	1.45	1.26
42TM002	D	10K CT	2K CT	600	155	Driver	1.91	1.59	1.45	1.26
42TM012	D	10K CT	5K CT	900	500	Interstage	1.91	1.59	1.45	1.26
42TM018	D	10K CT	10K CT	550	500	Interstage	1.91	1.59	1.45	1.26
42TM025	D	17K CT	1K CT	700	150	Coupling	1.91	1.59	1.45	1.26
42TM006	D	20K CT	1K CT	900	70	Interstage	1.91	1.59	1.45	1.26
42TM017	D	25K CT	600 CT	1000	80	Coupling	1.91	1.59	1.45	1.26
42TM117	D	50K CT	1K CT	1.2K	42	Input	1.91	1.59	1.45	1.26
Dual Secondary Core Type EI-19, 200mW Max Output										
42TM028	D	600 CT	600/600	78	65/60	Coupling	1.73	1.44	1.31	1.14
Miniature Core Type EI-24, 400mW Max Output										
42TU048	E	48 CT	8 CT	2.5	.5	Output	2.19	1.82	1.66	1.44
42TU120	E	120 CT	8CT	7	.7	Output	2.19	1.82	1.66	1.44
42TU200	E	200 CT	8 CT	12	.5	Output	2.19	1.82	1.66	1.44
42TU400	E	500 CT	8 CT	18	.7	Output	2.19	1.82	1.66	1.44
42TU500	E	500 CT	500 CT	35	28	Interstage	2.19	1.82	1.66	1.44
42TU016	E	600 CT	600 CT	65	55	Coupling	2.19	1.82	1.66	1.44
42TU008	E	800 CT	8 CT	40	1	Output	2.19	1.82	1.66	1.44
42TU013	E	1K CT	8 CT	75	1	Output	2.19	1.82	1.66	1.44
42TU003	E	1.2K CT	8 CT	75	1	Output	2.19	1.82	1.66	1.44
42TU011	E	1.5K CT	500 CT	120	50	Interstage	2.19	1.82	1.66	1.44
42TU019	E	10K CT	600 CT	600	100	Coupling	2.19	1.82	1.66	1.44
42TU002	E	10K CT	2K CT	600	155	Driver	2.19	1.82	1.66	1.44
42TU012	E	10K CT	5K CT	425	220	Interstage	2.19	1.82	1.66	1.44

PC Pin Terminals

Microminiature Core Type EI-14, 75mW Max Output										
42XL001	F	500 CT	8 CT	35	1	Output	1.50	1.25	1.14	.99
42XL009	F	500 CT	500 CT	40	38	Interstage	1.50	1.25	1.14	.99
42XL031	F	600 CT	100 CT	74	28	Coupling	1.64	1.37	1.24	1.08
42XL016	F	600 CT	600 CT	65	55	Coupling	1.50	1.25	1.14	.99
42XL003	F	1.2K CT	8 CT	80	1	Output	1.50	1.25	1.14	.99
42XL002	F	10K CT	2K CT	580	200	Driver	1.64	1.37	1.24	1.08
Micro-Subminiature Core Type EI-19, 100mW Max Output										
42XM016	G	600 CT	600 CT	65	55	Coupling	1.82	1.52	1.38	1.23

Dual Secondaries with PC Leads

Core Type EI-19, 200mW Max Output										
42TM028	D	600 CT	600/600	78	65/60	Coupling	1.73	1.44	1.31	1.14
Ultraminiature Core Type EI-14, 75mW Max Output										
42TL028	B	600 CT	600/600	78	56/56	Coupling	1.46	1.21	1.10	.96

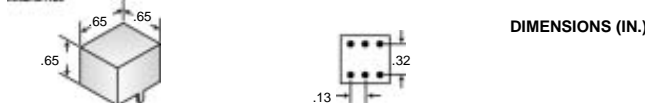
2 1/4" Leads

Ultraminiature Core Type EI-14, 75mW Max Output										
42KL001	H	500 CT	8 CT	36	1	Driver	1.69	1.40	1.28	1.12
42KL002	H	10K CT	2K CT	500	200	Driver	2.00	1.67	1.52	1.40

2" Leads

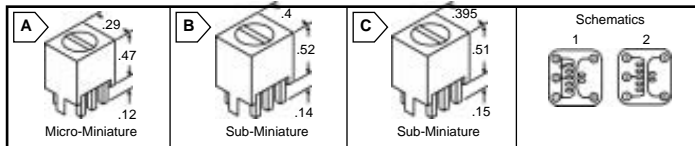
Subminiature Core Type EI-19, 200mW Max Output										
42KM001	I	500 CT	8 CT	20	1	Output	2.00	1.67	1.52	1.40
42KM008	I	800 CT	8 CT	40	1	Output	2.00	1.67	1.52	1.40
42KM014	I	1K CT	8 CT	40	.8	Output	2.00	1.67	1.52	1.40
42KM003	I	1.2K CT	8 CT	80	1	Output	2.00	1.67	1.52	1.40
42KM002	I	10K CT	2K CT	570	155	Driver	2.37	1.97	1.79	1.56
42KM006	I	18K CT	1K CT	900	70	Driver	2.37	1.97	1.79	1.56
42KM006	I	20K CT	4 CT	1000	.5	Output	2.37	1.97	1.79	1.56

SHIELDED AUDIO TRANSFORMERS



Epoxy encapsulated. Metal shielded to reduce magnetic cross coupling and electrostatic fields. For quantities of 2000 and up, call for quote.

I.F., Modem, and Telecommunications Transformers



DIMENSIONS (IN)

HiQ MAGNETICS I.F. TRANSFORMERS

Micro-Miniature PC Mounting

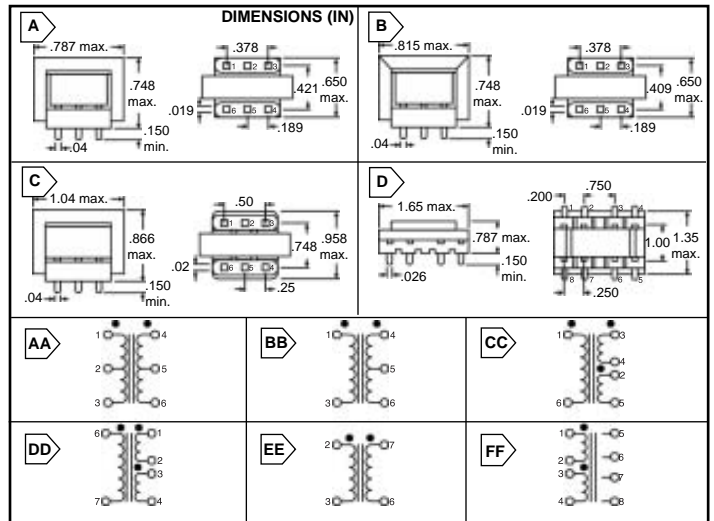
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem	Turns Ratio Pri : Sec	Price Each			
							1	10	100	500
455kHz										
42IF201	A	50K : 500	1st IF	Yel	1	22 : 1	1.16	.97	.88	.80
42IF202	A	30K : 500	2nd IF	White	1	22 : 1	1.16	.97	.88	.80
42IF203	A	20K : 5K	3rd IF	Black	1	8 : 1	1.16	.97	.88	.80
796kHz										
42IF200	A	Osc.	Tuning	Red	2	12 : 1	1.16	.97	.88	.80
10.7MHz										
42IF222	A	1K : 300	2nd & 3rd IF	Org	1	8 : 1	1.21	1.00	.91	.83
42IF223	A	25K : 1K	1st IF	Green	1	8 : 1	1.21	1.00	.91	.83
Variable Frequency (Capacitor-less)										
42IF224	A	15K : 300	2nd & 3rd IF	Org	2	8 : 1	1.16	.97	.88	.80

Sub-Miniature PC Mounting

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem	Turns Ratio Pri : Sec	Price Each			
							1	10	100	500
455kHz										
42IF101	C	60K : 600	1st IF	Yel	1	22 : 1	.79	.71	.65	.60
42IF301	B	50K : 500	1st IF	Yel	1	20 : 1	1.11	.93	.84	.77
42IF102	C	30K : 500	2nd IF	White	1	22 : 1	.79	.71	.65	.60
42IF302	B	30K : 500	2nd IF	White	1	22 : 1	1.11	.93	.84	.77
42IF103	C	20K : 6K	3rd IF	Black	1	6 : 1	.79	.71	.65	.60
42IF303	B	20K : 5K	3rd IF	Black	1	7 : 1	1.11	.93	.84	.77
796kHz										
42IF300	B	Osc.	Tuning	Red	2	10 : 1	1.11	.93	.84	.77
42IF100	C	Osc.	Tuning	Red	2	13 : 1	.79	.71	.65	.60
42IF110	C	Osc.	Tuning	Red	2	35 : 1	.63	.57	.52	.48
10.7 MHz										
42IF122	C	15K : 300	2nd & 3rd IF	Brown	1	14 : 1	.79	.71	.65	.60
42IF129	C	15K : 100	2nd & 3rd IF	Black	1	18 : 1	.79	.71	.65	.60
42IF123	C	25K : 4K	1st IF	Green	1	7 : 1	.79	.71	.65	.60
Variable Frequency (Capacitor-less)										
42IF104	C	50K : 500	1st IF	Yel	2	22 : 1	.79	.71	.65	.60
42IF106	C	20K : 5K	3rd IF	Black	2	6 : 1	.79	.71	.65	.60
42IF124	C	15K : 300	2nd & 3rd IF	Org	2	14 : 1	.63	.57	.52	.48



HiQ MAGNETICS TELEPHONE COUPLING TRANSFORMERS

Manufactured to meet production requirements for standard telephone interconnection, line isolation, and impedance matching.

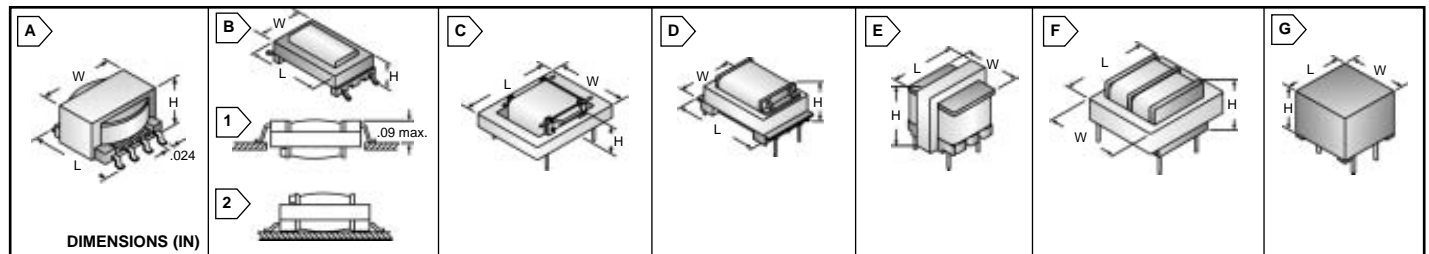
Transformers • Frequency response: 300 to 3500 Hz For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Schematic	Impedance		DC Current (mA)	Insertion Loss (Max. dB)	Price Each		
			Pri (Ω)	Sec (Ω)			1	10	50
420-8801	A	AA	600 CT	600 CT	0	1.5	2.89	2.41	2.19
420-8806	B	BB	600	600 CT	90	2.5	2.89	2.41	2.19
420-8809	C	CC	600	600/600	0	1.2	3.74	3.09	2.74
420-8810	A	AA	600 CT	900 CT	0	1.5	2.54	2.09	1.89
420-8814	D	DD	600	300/300	75	1.3	5.79	4.83	4.39
420-8815	D	EE	600	600	80	2.5	5.79	4.83	4.39

Holding Coil

- Dielectric strength: 1500VRMS, 60Hz, 3mA, 60 sec.
- Varnish impregnation
- Pin-for-pin compatible with Stancor TTPC series
- For interconnecting data/voice
- Modem terminal to telephone lines
- Designed to meet FCC part 68

MOUSER STOCK NO.	Fig.	Schematic	Inductance (H)	IDC (mA)	Price Each			
					1	10	50	100
420-8817	D	FF	1.4	120	6.72	5.55	5.05	4.59



Atech PCMCIA / SURFACE MOUNT MODEM TRANSFORMERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		Insertion Loss dB	Resistance (Ω)		Dielectric Strength	Crosses	Dimensions (In.)			Price Each		
		Pri.	Sec.		Pri.	Sec.			L	W	H	1	100	500
421-ATS033	A	600	600	1.0	55	43	1500	Midcom 671-8234	.492	.394	.228	5.60	4.42	3.60
421-ATS065	A	600	445	1.4	63	86	1500	Midcom 671-8258	.689	.610	.307	6.76	5.82	3.98
421-ATS158A	B1	600	348	2.6	136	128	1250	-----	.417	.315	.169	5.98	4.27	3.38
421-ATS169	B2	600	348	2.6	136	128	1250	-----	.417	.315	.173	6.24	4.46	3.55

Atech LOW PROFILE MODEM TRANSFORMERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		Insertion Loss dB	DC Current mA	Resistance (Ω)		Dielectric Strength	Crosses	Dimensions (In.)			Price Each		
		Pri.	Sec.			Pri.	Sec.			L	W	H	1	100	500
421-ATS138	C	600	470	2.0	80	108	120	1250	-----	.906	.906	.472	2.36	1.63	1.52

Atech THRU HOLE MODEM TRANSFORMERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		Insertion Loss dB	DC Current mA	Resistance (Ω)		Dielectric Strength	Crosses	Dimensions (In.)			Price Each		
		Pri.	Sec.			Pri.	Sec.			L	W	H	1	100	500
421-ATS001	D	600	600	1.7	80	78	105	1500	-----	1.181	.767	.532	2.21	1.58	1.42
421-ATS003	D	600	600	2.7	80	147	104	3750	-----	1.181	.767	.496	2.02	1.44	1.30
421-ATS040	E	600	600	.8	0	40	50	1500	-----	.787	.689	.709	3.38	2.41	2.17
421-ATS075	F	600	600	1.0	0	25	25	3750	-----	.772	.661	.394	4.16	2.97	2.68
421-ATS079	G	600	560	1.3	0	65	65	4000	-----	.713	.713	.55	4.68	3.34	3.01

Atech TELECOMMUNICATIONS TRANSFORMERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		Insertion Loss dB	DC Current mA	Resistance (Ω)		Dielectric Strength	Crosses	Dimensions (In.)			Price Each		
		Pri.	Sec.			Pri.	Sec.			L	W	H	1	100	500
421-ATS063	E	600	600	0.8	0	37	51	1250	Midcom 671-8205	.799	.591	.717	4.73	3.38	2.83
421-ATS080	D	600S	525	1.6	90	75	100	1500	Midcom 671-1561	1.181	.767	.496	4.59	3.28	2.75

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