

# Shenzhen Wangcai Semiconductor Co.,Ltd.

No. 191, Tai'an Road, Wei Town, Zhangmutou Town, Dongguan City

客户/Client: 易湘瑞 ESORUN

Name/TYPE : Coil

Product model: G43.5+20\*0.8mm 磁片带槽线长 38mm 8.1UH

Product number: 10.0110.2308

Project number: Sai2025030801

Date: 2025-3-08

本公司工程部/For Enginer Departner Only	
修改内容/Rrvised Content	认可日期/APProved Date

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工程/ Enginrer	认可/QC APProved	认可日期/APProved

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## 一、线圈工艺/Winding Procese:

NO	winding	Wire gauges	Number of turns	Winding direction	remark
1	N1	2UEW-B-0.08*80	11TS	CCW	
2					

## 二 . 电气性能/FEATURES:

1.测试条件 ( Test conditions ) : 25°C,65%RH@100KHz/1V

1.1 电感量 ( Inductance )

1.11 L0A (Single Coil ) =4.5uH±20%

1.12 L0A(Coil+Magnetic Disc)=8.1uH±10%

1.2 Q 值=80MIN

1.3 直流电阻 ( DCR ) : 75mΩ MAX

1.4 工作温度(Operating Temperature) : -25°C ~85°C

2.测试仪器(Test instrument) : **L:**创达 1068+1310;**DCR:**502BC;**SIZE:**Callipers

3. List of materials

NO	project	material
1	WIRE	φ 0.08*80 2UEW
2	FERRITE	43.5*5.3*0.8mm+20*0.8 ferrite hard magnet
3	GLUE	White glue
4	SOLDER	XCD-907B
5	Adhesive	No adhesive,
6	High temperature adhesive	7MM HIGH TEMPERATURE TAPE

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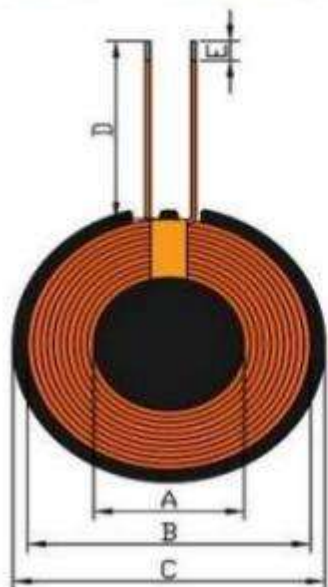
## 三 . 参考图/CIRCUIT DIAGRAM



单位：MM

## 四 . 外形图/OUTSIDE DIAGRA

产品尺寸说明 Product Size (单位: MM)



Note: 7MM high-temperature adhesive tape is wound at the coil outlet position, and the adhesive is canceled

standard	A	B	C	D	And	F
STD	20.5±0.5	39.5±1	43.5±1	38±2	3±1.5	2.3Max

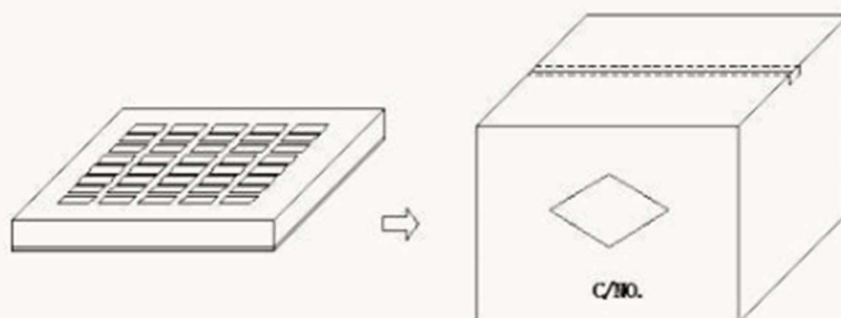
UNIT : MM

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## 五. 包装/PACKAGE

### 5.1 包装图片 Packing pictures:



### 5.2 包装数量及规格 Packing Quantity:

项目 Item	数量 Quantity	材料规格 Material
盒 Box	<b>600</b> Pcs	345*330*50 mm
箱 Big Carton	<b>2400</b> Pcs	360*340*280 mm

5.3 The packaging is based on the existing packaging tray as the reference standard, and the actual shipping packaging shall prevail, and can be customized if there is a special need.

## 六、贮存和使用条件 Storage and Use condition

### 6.1 贮存条件 Storage condition

6.1.1 Recommended storage conditions: temperature  $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , humidity 70% (Max.)

Recommended keeping conditions:  $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , 70%RH (Max.)

6.1.2 Storage period: within six months from the date of production

Storage life : Within the limits of six months from being produced.

### 6.2 使用条件 Use condition

Limitations: Temperature= $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , Humidity $\leq 90\%$

Use condition limit: T= $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$ , RH $\leq 90$