

PCTEL COMPANY I XTREMEWAVE™ SERIES Keyw

1.9 GHz, 2.4 GHz, 2.5 GHz and 5.8 GHz omnidirectional Base Station Antennas for PCS, MMDS, ISM, 802.11a, 802.11b and 802.11g **Applications**



The MAXRAD XtremeWave™ wireless broadband omnidirectional antennas are designed to provide maximum performance and reliability under the toughest weather conditions. These antennas feature a U.V. stable, vented radome that provides ultimate protection against weather elements. The line includes MMDS, ISM, UNII and PCS models with gains ranging from 4 to 12 dBi. These antennas can be mast, wall or ceiling mounted.



Lightning Protect Select Models are with DC grounding electrical specifica options.

Mounting Base D 1.25 inches (all mo MFB24012) 1.5 inc MFB24012)

Mounting Method MMK1924 -L-brac for wall or pipe mo recommended for use with model

MMK8 -Aluminum bracket for mast m MMK11 -Ceiling m

MMK12 - Heavy du for mast mounting MFB24012 MMK14 - light duty clamp for MFB240

Nominal Impedan 50 ohms

Polarization: Vertical

Radome Material: UV resistant pultru fiberglass

Termination:

N female standard GHz models, exce MFB24012 N fema polarity and revers connectors optiona 213 pigtail with N f connector for mode MFB24012 only 5' pigtail with N male for model MFB580

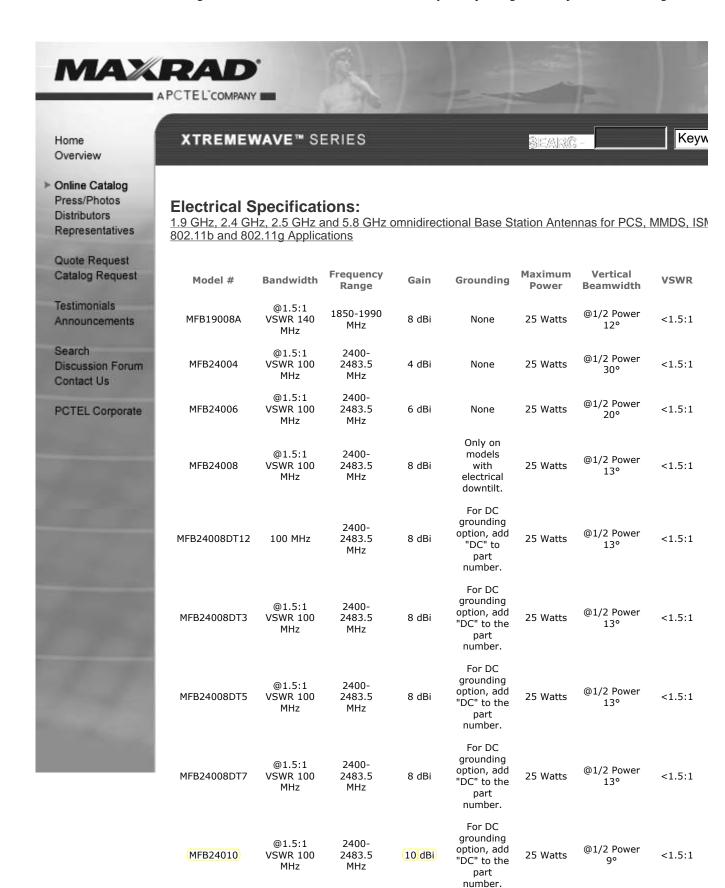
Features:

- U.V. stable, pultruded fiberglass radome. Allows outdoor installation even in harsh climates.
- Vented system design. Provides reliable performance by protecting the electrical design against extreme moisture and/or temperatures.
- Thread relief on connector, (all models, except MFB24012 and MFB58009PTNM which have pigtails). Improved accessibility for taping reduces installation time and improves overall effectiveness.
- Internal o-ring seal in the base of the antenna with integrated connector at the base. Assures a watertight seal to prevent water from migrating into the antenna connector (all models, except MFB24012 which has a pigtail.)
- Electrical downtilt options on select models. Provide system planners flexibility in challenging operating environments.

Buy Online: Click here to view available models.

Patterns Electrical Specifications Mechanical Specifications Installation Instructions

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MFB24012

@ 1.5:1

VSWR 100

MHz @1.5:1 2400-2500

MHz

12 dBi

None

25 Watts

<1.5:1

@ 1/2

Power 7°

MFB25007	VSWR 200 MHz	2500-2700 MHz	7 dBi	None	25 Watts	@1/2 Power 13°	<1.5:1
MFB25007DT3	@1.5:1 VSWR 200 MHz	2500-2700 MHz	7 dBi	None	25 Watts	@1/2 Power 13°	<1.5:1
MFB51510	200 MHz	5150-5350 MHz	10 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	7°	< 1.8:1
MFB58009	@1.5:1 VSWR 150 MHz	5725-5875 MHz	9 dBi	None	25 Watts	@1/2 Power 8°	<1.5:1
MFB58009PTNM	100 MHz	5725-5825 MHz	9 dBi	None	25 Watts	6°	< 1.5:1
MFB58010	100 MHz	5725-5825 MHz	10 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	6°	< 1.5:1

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