



MFB49009



MFB58009



Vented System



MMK1924



MMK8A

White MAXRAD Fiberglass Base Station (MFB) Omnidirectional Antennas

The wireless broadband omnidirectional antennas are designed to provide maximum performance and reliability under the toughest weather conditions. These antennas feature a UV stable, vented radome that provides ultimate protection against weather elements. They can be mast or wall mounted.

Features

- UV 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. 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.



Technical Data

Maximum Power: 25 watts
Polarization: Vertical
Nominal Impedance: 50 ohms
VSWR: < 1.5:1
Radome Material: UV resistant pultruded fiberglass
Lightning Protection: Not standard, but all models can be ordered with DC grounding. Add "DC" to the part number to order the antenna with DC grounding.
Termination: N female.
Mounting Base Diameter: 1.25 inches
Mounting Method: MMK1924 - L bracket mount for wall or pipe mount MMK8A - Aluminum extruded bracket for mast mounting MMK11 - Ceiling mount bracket

For detailed specifications, visit <http://antenna.pctel.com>.

Antenna Electrical Specifications

Model	Frequency Range	Gain	Bandwidth @ 1.5:1 VSWR	Vertical Beamwidth @ 1/2 Power
MFB25007	2.5-2.7 GHz	7 dBi	200 MHz	13°
MFB49009	4.9-5.0 GHz	9 dBi	100 MHz	8°
MFB49009DC	4.9-5.0 GHz	9 dBi	100 MHz	8°
MFB51510	5.15-5.35 GHz	10 dBi	200 MHz	7°
MFB58009	5.725-5.875 GHz	9 dBi	150 MHz	8°

Mechanical Specifications

Model	Height	Weight (Mass)	Bending Moment at Rated Wind	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	Wind Survival
MFB25007	20.2" (513.1 mm)	0.5 lbs (0.226 kg)	4.4 ft-lbs	5.2 lbs	.06 ft ²	125 mph
MFB49009	20.2" (513.1 mm)	0.5 lbs (0.226 kg)	4.4 ft-lbs	5.2 lbs	.06 ft ²	125 mph
MFB49009DC	20.2" (513.1 mm)	0.5 lbs (0.226 kg)	4.4 ft-lbs	5.2 lbs	.06 ft ²	125 mph
MFB51510	20.2" (513.1 mm)	0.5 lbs (0.226 kg)	4.4 ft-lbs	5.2 lbs	.06 ft ²	125 mph
MFB58009	15.7" (398.8 mm)	0.43 lbs (0.195 kg)	2.7 ft-lbs	4.1 lbs	.046 ft ²	125 mph