

800/900 MHz MAXRAD Fiberglass Base Station (MFB) Omnidirectional Antennas

PCTEL's MFB 900/800 MHz series are base matched half wave antennas encapsulated in heavy duty fiberglass radomes with a thick walled aluminum mounting base for reliable long term use. All models are DC grounded and UPS shippable.

Features

- White ultra-violet resistant pultruded fiberglass radome
- Thick walled aluminum mounting base
- Unity, 3 dB, 5 dB, 7 dB models
- UPS shippable
- Factory tuned



MFB9155

Technical Data

Maximum Power:	150 watts
Normal Impedance:	50 ohms
Radome Material:	1-inch OD pultruded white fiberglass
Radiator Material:	Coated steel wire
ESD Protection:	DC grounded
Wind Survival:	100 mph
Termination:	N Male unless otherwise specified. Unity and 3 dB models, N Female.
Mounting Base Diameter:	1-5/16"
Mounting Method:	Mast or wall mounted. Mounting hardware is sold separately. MMK4: heavy duty mast mount MMK9: aluminum mast mount for 1-5/16" OD antennas MBSWM: wall mounting bracket for antennas over 30" (two are required) MMK12: heavy duty mount bracket



MMK4



MMK9



MBSWM



MMK12



RF/Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Bandwidth @ 1.5:1 VSWR	Vertical Beamwidth @ ½ Power
MFB8133	806-866 MHz	813 MHz	3 dB	30 MHz	40°
MFB8583	806-866 MHz	858 MHz	3 dB	30 MHz	40°
MFB9153	902-928 MHz	915 MHz	3 dB	20 MHz	40°
MFB9155(NF)	902-928 MHz	915 MHz	5 dB	20 MHz	22°
MFB9157(NF)	902-928 MHz	915 MHz	7 dB	20 MHz	17°

Mechanical Specifications

Model	Height	Weight (Mass)	Bending Moment at Rated Wind	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area
MFB8133	24 in (61.0 cm)	1.25 lbs (0.57 kg)	7.8 ft-lbs	6.6 lbs	.12 sq ft
MFB8583	28 in (71.1 cm)	1.25 lbs (0.57 kg)	7.75 ft-lbs	6.64 lbs	.12 sq ft
MFB9153	19 in (48.3 cm)	1.25 lbs (0.57 kg)	5.3 ft-lbs	5.5 lbs	.12 sq ft
MFB9155(NF)	43.5 in (110.5 cm)	1.75 lbs (0.79 kg)	34.4 ft-lbs	15.41 lbs	.22 sq ft
MFB9157(NF)	98.2 in (249.4 cm)	4.00 lbs (1.81 kg)	113 ft-lbs	27.7 lbs	.44 sq ft

