

MFB Series, 900 MHz Fiberglass Omnidirectional Antennas

The MFB 900 MHz series consists of 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/3dB/5dB/7dB models (rated in dbd)
- UPS shippable
- Exceptional value

General Specifications:

Radiator Material:

Coated steel wire

Radome Material:

.65" pultruded white fiberglass

Termination:

Unity and 3dB models: N Female

5dB and 7dB models: N male with 16" jumper

RPC: reverse polarity TNC

Lightning Protection:

DC grounded

Mounting Method:

Mast or wall mounted.

Mounting hardware is sold separately.

MMK1: light duty mast mount for antennas under 30"

MMK3: light duty mast mount for antennas over 30"

MMK4: heavy duty mast mount

MMK6: cast mounting bracket

MBSWM: wall mounting bracket for antennas over 30"
(two are required)

Wind Survival:

100 mph

Mounting Base Diameter:

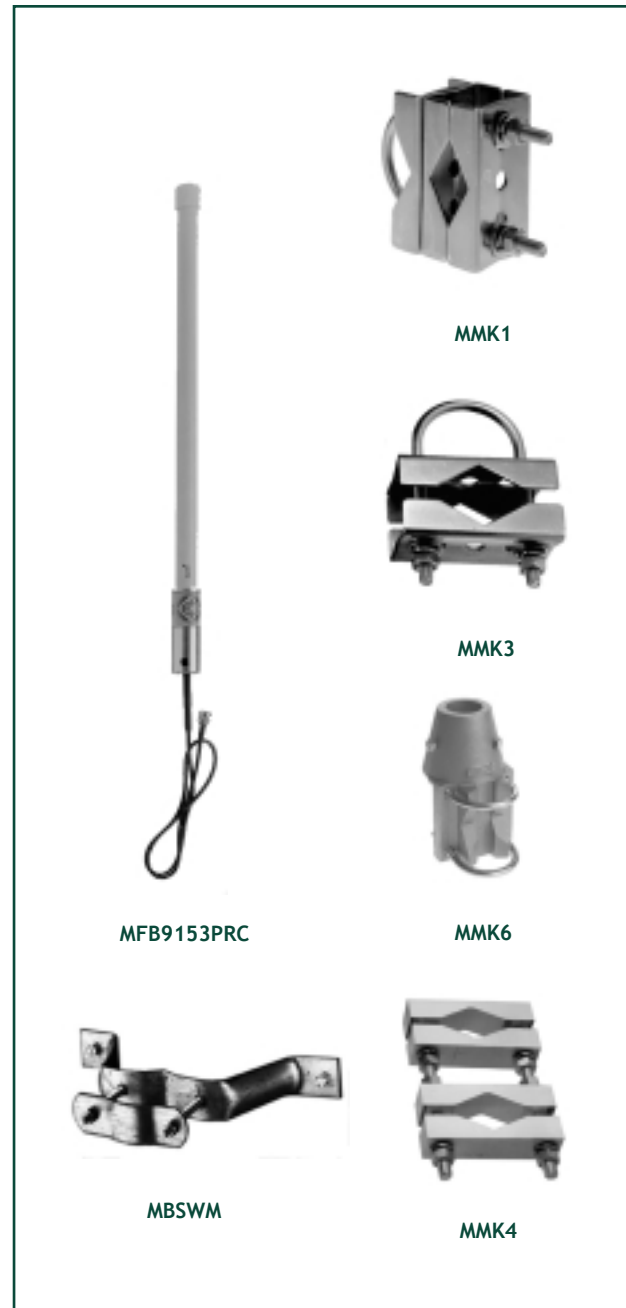
1-5/16"

Maximum Power:

150 Watts

Nominal Impedance:

50 Ohms



900 MHz

Electrical Specifications

Model #	Frequency Range	Factory Tuned Frequency	Gain	Bandwidth @ 1.5:1 VSWR	Vertical Beamwidth @ 1/2 Power
MFB8960	896-940 MHz	898 MHz	Unity	40 MHz	75°
MFB9150	902-928 MHz	915 MHz	Unity	20 MHz	75°
MFB9300	928-932 MHz	930 MHz	Unity	5 MHz	75°
MFB9380	896-940 MHz	938 MHz	Unity	40 MHz	75°
MFB8963	896-940 MHz	898 MHz	3dB	30 MHz	40°
MFB9153	902-928 MHz	915 MHz	3dB	20 MHz	40°
MFB9303	928-932 MHz	930 MHz	3dB	5 MHz	40°
MFB9383	896-940 MHz	938 MHz	3dB	30 MHz	40°
MFB8965	896-940 MHz	898 MHz	5dB	20 MHz	22°
MFB9155	902-928 MHz	915 MHz	5dB	20 MHz	22°
MFB9305	928-932 MHz	930 MHz	5dB	5 MHz	22°
MFB9385	896-940 MHz	938 MHz	5dB	20 MHz	22°
MFB8967	896-940 MHz	898 MHz	7dB	20 MHz	17°
MFB9157	902-928 MHz	915 MHz	7dB	20 MHz	17°
MFB9307	928-932 MHz	930 MHz	7dB	5 MHz	17°
MFB9387	896-940 MHz	938 MHz	7dB	20 MHz	17°
MFB9153RPC	902-928 MHz	915 MHz	3dB	20 MHz	40°
MFB9153STRPC	902-928 MHz	915 MHz	3dB	20 MHz	40°
MFB9157RPC	896-940 MHz	915 MHz	7dB	20 MHz	17°

Mechanical Specifications

Model #	Equivalent Flat Plate Area	Lateral Thrust @ Rated Wind	Bending Moment @ Rated Wind	Height	Weight	List Price
MFB8960	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs	\$88.40
MFB9150	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs	\$88.40
MFB9300	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs	\$88.40
MFB9380	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs	\$88.40
MFB8963	.12 sq ft	4.3 lbs	4.7 ft-lbs	26"	1.25 lbs	\$132.60
MFB9153	.12 sq ft	4.3 lbs	4.7 ft-lbs	23.25"	1.25 lbs	\$132.60
MFB9303	.12 sq ft	4.3 lbs	4.7 ft-lbs	26"	1.25 lbs	\$132.60
MFB9383	.12 sq ft	4.3 lbs	4.7 ft-lbs	26"	1.25 lbs	\$132.60
MFB8965*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs	\$176.80
MFB9155*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs	\$176.80
MFB9305*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs	\$176.80
MFB9385*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs	\$176.80
MFB8967*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs	\$194.48
MFB9157*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs	\$194.48
MFB9307*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs	\$194.48
MFB9387*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs	\$194.48
MFB9153RPC	.12 sq ft	4.3 lbs	4.7 ft-lbs	23.25"	1.25 lbs	\$145.29
MFB9153STRPC	.12 sq ft	4.3 lbs	4.7 ft-lbs	23.25"	1.25 lbs	\$145.29
MFB9157RPC	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs	\$210.64

*For N Female connector add \$10.00