

## MFB 900 MHz Series *Omni-directional Fiberglass Base Stations*

The MFB 900 MHz Series is a base matched half wave antenna encapsulated in a heavy duty fiberglass radome with a thick walled aluminum mounting base for reliable long term use. All models are DC grounded and are 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

**Electrical Specifications**

**MFB 900 MHz Series**

Model #	Frequency Range	Factory Tuned Frequency	Gain	Bandwidth @ 1.5:1 VSWR	Vertical Beamwidth @ 1/2 Power
MFB-8960	896-940 MHz	898 MHz	Unity	40 MHz	75
MFB-9150	902-928 MHz	915 MHz	Unity	20 MHz	75
MFB-9300	928-932 MHz	930 MHz	Unity	5 MHz	75
MFB-9380	896-940 MHz	938 MHz	Unity	40 MHz	75
MFB-8963	896-940 MHz	898 MHz	3dB	30 MHz	40
MFB-9153	902-928 MHz	915 MHz	3dB	20 MHz	40
MFB-9303	928-932 MHz	930 MHz	3dB	5 MHz	40
MFB-9383	896-940 MHz	938 MHz	3dB	30 MHz	40
MFB-8965	896-940 MHz	898 MHz	5dB	20 MHz	22
MFB-9155	902-928 MHz	915 MHz	5dB	20 MHz	22
MFB-9305	928-932 MHz	930 MHz	5dB	5 MHz	22
MFB-9385	896-940 MHz	938 MHz	5dB	20 MHz	22
MFB-8967	896-940 MHz	898 MHz	7dB	20 MHz	17
MFB-9157	902-928 MHz	915 MHz	7dB	20 MHz	17
MFB-9307	928-932 MHz	930 MHz	7dB	5 MHz	17
MFB-9387	896-940 MHz	938 MHz	7dB	20 MHz	17



MFB-9153RPC

**Electrical Specifications**

**MFB RPC Series**

Model #	Frequency Range	Factory Tuned Frequency	Gain	Bandwidth @ 1.5:1 VSWR	Vertical Beamwidth @ 1/2 Power
MFB-9153RPC	902-928 MHz	915 MHz	3dB	20 MHz	40
MFB-9153STRPC	902-928 MHz	915 MHz	3dB	20 MHz	40
MFB-9157RPC	896-940 MHz	915 MHz	7dB	20 MHz	17

**MFB 900 MHz Series**  
*Omni-directional Fiberglass Base Stations*



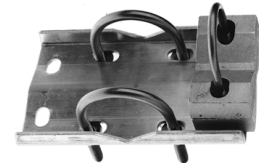
MMK1



MMK3



MYK4



MYK16

**Mechanical Specifications**  
**MFB 900 MHz Series**

Model #	Equivalent Flat Plate Area	Lateral Thrust @ Rated Wind	Bending Moment @ Rated Wind	Height	Weight
MFB-8960	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs
MFB-9150	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs
MFB-9300	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs
MFB-9380	.06 sq ft	2.3 lbs	1.4 ft-lbs	14"	.75 lbs
MFB-8963	.12 sq ft	4.3 lbs	4.7 ft-lbs	26"	1.25 lbs
MFB-9153	.12 sq ft	4.3 lbs	4.7 ft-lbs	23 1/4"	1.25 lbs
MFB-9303	.12 sq ft	4.3 lbs	4.7 ft-lbs	26"	1.25 lbs
MFB-9383	.12 sq ft	4.3 lbs	4.7 ft-lbs	26"	1.25 lbs
MFB-8965*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs
MFB-9155*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs
MFB-9305*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs
MFB-9385*	.22 sq ft	8.0 lbs	14.2 ft-lbs	48"	1.75 lbs
MFB-8967*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs
MFB-9157*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs
MFB-9307*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs
MFB-9387*	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs

Mount sold separately (see above)

\*For N Female connector add \$10.00

**Mechanical Specifications**  
**MFB RPC Series**

Model	Equivalent Flat Plate Area	Lateral Thrust @ Rated Wind	Bending Moment @ Rated Wind	Height	Weight
MFB-9153RPC	.12 sq ft	4.3 lbs	4.7 ft-lbs	23 1/4"	1.25 lbs
MFB-9153STRPC	.12 sq ft	4.3 lbs	4.7 ft-lbs	23 1/4"	1.25 lbs
MFB-9157RPC	.44 sq ft	15.8 lbs	62.5 ft-lbs	96"	4.00 lbs

Mount sold separately (see above)

**General Specifications- MFB 900 MHz Series**

**Radiator Material:**

Coated steel wire

**Radome Material:**

.65" Pultuded white fiberglass

**Termination:**

Unity and 3dB models- "N" Female

5dB and 7dB models- "N" male w/ 16" jumper

RPC w/ Reverse Polarity TNC

**Lightning Protection:**

DC grounded

**Wind Survival:**

100 mph

**Mounting Base Diameter:**

1 5/6"

**Maximum Power:**

150 watts

**Mounting Hardware:**

(sold separately)

**MMK1-**

Light duty mast mounting for antennas under 30"

**MMK3-**

Light duty mast mounting for antennas over 30"

**MYK4-**

Heavy duty mast mounting for antennas over 30"

**MYK16-**

Heavy duty mast mounting for antennas under 30"

**Wall mounting bracket:**

MBSWM- for antennas over 30" (2 required)

**Nominal Impedance:**

50 Ohms