

# DIRECT MOUNT PARABOLICS FOR MIMOSA B11 RADIOS

# Commercial Line MMSx-11v

The MMSx-11v Value Series by RadioWaves offers a full line of value engineered HPC parabolic antennas. The antennas are designed to provide excellent gain and are available in 2',3' and 4' diameters. Engineered to support direct mount of the Mimosa B11 radio, the MMSx-11v deliver a strong and durable mount system ensuring "set and forget" installation, come fully pre-assembled and are backed by a 3 year warranty.

MMS2-11V

### **VALUE PARABOLICS**

- · Value optimized for excellent ROI
- Fully pre-assembled for fastest time to tower
- · Slip fit direct mount adapter for Mimosa B11 radios
- 3 year warranty
- · Available in 2', 3', and 4' diameters
- · FCC rated for 11 GHz licensed band

## **SPECIFICATIONS**

Model	MMS2-11V	MMS3-11V	MMS4-11V
Antenna Type	Value	Value	Value
Size, Nominal	2 ft	3 ft	4 ft
Polarization	Single	Single	Single
Electrical	·		·
Operating Frequency Band	10.7 - 11.7 GHz	10.7 - 11.7 GHz	10.7 - 11.7 GHz
Half Power Beamwidth, Horizontal	3.3°	2.1°	1.5°
Half Power Beamwidth, Vertical	3.3°	2.1°	1.5°
Cross-Polarization Discrimination	30 db	30 db	30 db
Front to Back Ratio (F/B)	61 db	63 db	67 db
Gain, Low Frequency	33.8 db	37.5 db	40 db
Gain, Mid Frequency	34.5 db	37.9 db	40.4 db
Gain, High Frequency	35.2 db	38.2 db	40.8 db
VSWR	≤1.3	≤1.3	≤1.3
Return Loss	≤-17.7 db	≤-17.7 db	≤-17.7 db
Mechanical	·		
Fine Azimuth Adjustment	±15°	±15°	±10°
Fine Elevation Adjustment	±15°	±15°	±10°
Mounting Pipe Diameter, Min	2"	2"	4.5"
Mounting Pipe Diameter, Max	4.5"	4.5"	4.5"

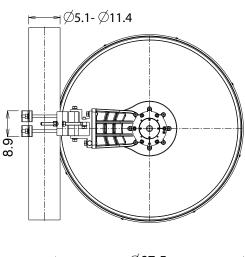
© Smiths Microwave, 2016, All rights reser

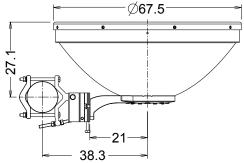


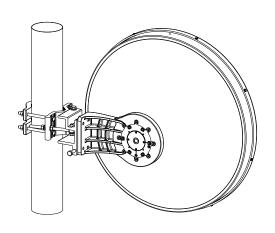
# **SPECIFICATIONS CONTINUED**

21.3 lbs	46.2 lbs	95.9 lbs
90 mph	125* mph	125* mph
155 mph	155 mph	155 mph
301 lbs	622 lbs	1122 lbs
154 lbs	317 lbs	572 lbs
383 ft-lb	974 ft-lb	2010 ft-lb
-45~+60°C	-45~+60°C	-45~+60°C
10 PSIG	10 PSIG	10 PSIG
Yes	Yes	Yes
FCC B	FCC B	FCC B
Class 3	Class 3	Class 3
NA	NA	NA
Cardboard	Crate	Crate
33 lbs	111.1 lbs	154 lbs
30" x 30" x 17"	42.5" x 42.5" x 30.5"	54" x 18" x 67"
8.9 cubic ft	31.9 cubic ft	35.6 cubic ft
	90 mph 155 mph 301 lbs 154 lbs 383 ft-lb -45~+60°C 10 PSIG Yes  FCC B Class 3 NA  Cardboard 33 lbs 30" x 30" x 17"	90 mph 125* mph 155 mph 301 lbs 622 lbs 317 lbs 317 lbs 383 ft-lb 974 ft-lb -45~+60°C 10 PSIG 10 PSIG Yes Yes  FCC B FCC B FCC B Class 3 NA NA NA  Cardboard Crate 33 lbs 111.1 lbs 30" x 30" x 17" 42.5" x 42.5" x 30.5"

# **DRAWINGS**







MMS2-11V