

DIRECT MOUNT PARABOLICS FOR MIMOSA B11 RADIOS

High Performance MMSx-11

The MMSx-11 High Performance Series by RadioWaves offers a full line of high performance parabolic antennas that support direct mount of the Mimosa B11 radio. The antennas are engineered to provide FCC and ETSI compliant performance as well as excellent gain within robust and heavy duty mounting hardware. The mount system ensures “set and forget” installation with minimal post-installation maintenance. All MMSx-11 antennas come fully pre-assembled for fastest time to tower and come with a 7 year warranty.



MMS2-11

HIGH PERFORMANCE PARABOLICS

- Excellent RF performance
- Fully pre-assembled for fastest time to tower
- Slip fit direct mount adapter for Mimosa B11 radios
- 7 year warranty
- Available in 2', 3', 4' and 6' diameters
- FCC rated for 11 GHz licensed band

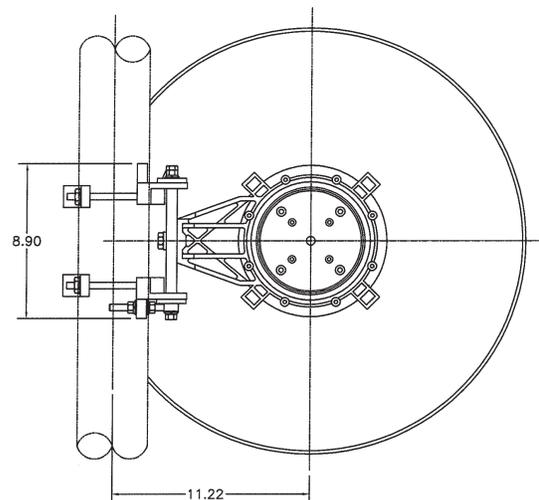
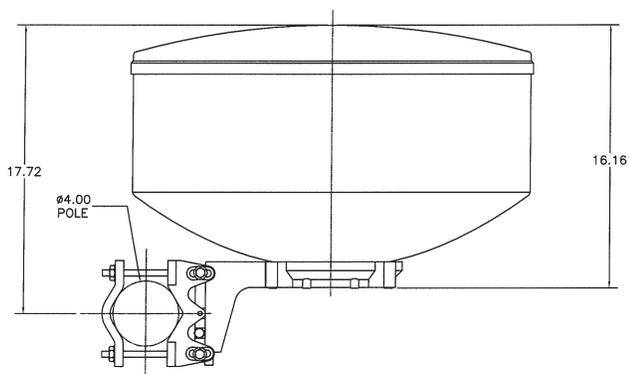
SPECIFICATIONS

Model	MMS2-11	MMS3-11	MMS4-11	MMS6-11
Antenna Type	High Performance	High Performance	High Performance	High Performance
Size, Nominal	2 ft	3 ft	4 ft	6 ft
Polarization	Single	Single	Single	Single
Electrical				
Operating Frequency Band	10.7 - 11.7 GHz			
Half Power Beamwidth, Horizontal	3.4°	2.1°	1.7°	1.1°
Half Power Beamwidth, Vertical	3.4°	2.1°	1.7°	1.1°
Cross-Polarization Discrimination	30 db	30 db	30 db	30 db
Front to Back Ratio (F/B)	60 db	62 db	67 db	68 db
Gain, Low Frequency	34.2 db	38.1 db	40.6 db	43.1 db
Gain, Mid Frequency	34.5 db	38.5 db	41 db	43.4 db
Gain, High Frequency	34.8 db	39 db	41.4 db	43.8 db
VSWR	≤1.37	≤1.37	≤1.37	≤1.37
Return Loss	≤-16.1 db	≤-16.1 db	≤-16.1 db	≤-16.1 db
Mechanical				
Fine Azimuth Adjustment	±10°	±10°	±10°	±10°
Fine Elevation Adjustment	±30°	±10°	±25°	±10°
Mounting Pipe Diameter, Min	2"	2"	4.5"	4.5"
Mounting Pipe Diameter, Max	4.5"	4.5"	4.5"	4.5"
Net Weight	27 lbs	46.2 lbs	85 lbs	251 lbs

SPECIFICATIONS CONTINUED

Wind Velocity Operational	90 mph	125* mph	125* mph	125* mph
Wind Velocity Survival Rating	125 mph	155 mph	155 mph	155 mph
Axial Force (FA)	202 lbs	403 lbs	737 lbs	1680 lbs
Side Force (FS)	100 lbs	200 lbs	365 lbs	832 lbs
Twisting Moment (MT)	194 ft-lb	344.4 ft-lb	784 ft-lb	2100 ft-lb
Operating Temperature Range	-45~+60° C	-45~+60° C	-45~+60° C	-45~+60° C
Max Pressure, PSIG, (if waveguide interface)	5 PSIG	5 PSIG	5 PSIG	5 PSIG
RoH Compliant	Yes	Yes	Yes	Yes
Regulatory Compliance				
FCC	Part 101 Cat B	Part 101 Cat A	Part 101 Cat A	Part 101 Cat A
ETSI	Class 2	Class 3	Class 2	Class 2
Industry Canada	Undeclared	SRSP310.7 B	SRSP310.7 B	SRSP310.7 B
Shipping				
Package Type	Cardboard	Crate	Crate	Crate
Gross Weight	48 lbs	143 lbs	196 lbs	401 lbs
Dimensions, L x W x H	31" x 31" x 27"	47" x 28" x 48"	59" x 35" x 60"	77" x 35" x 80"
Shipping Volume	13.9 cubic feet	36.6 cubic feet	71.7 cubic feet	124.8 cubic feet

DRAWINGS



MMS2-11