

## 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
<b>Electrical</b>			
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
<b>Mechanical</b>			
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"

## SPECIFICATIONS CONTINUED

Net Weight	21.3 lbs	46.2 lbs	95.9 lbs
Wind Velocity Operational	90 mph	125* mph	125* mph
Wind Velocity Survival Rating	155 mph	155 mph	155 mph
Axial Force (FA)	301 lbs	622 lbs	1122 lbs
Side Force (FS)	154 lbs	317 lbs	572 lbs
Twisting Moment (MT)	383 ft-lb	974 ft-lb	2010 ft-lb
Operating Temperature Range	-45~+60°C	-45~+60°C	-45~+60°C
Max Pressure, PSIG, (if waveguide interface)	10 PSIG	10 PSIG	10 PSIG
RoH Compliant	Yes	Yes	Yes
<b>Regulatory Compliance</b>			
FCC	FCC B	FCC B	FCC B
ETSI	Class 3	Class 3	Class 3
Industry Canada	NA	NA	NA
<b>Shipping</b>			
Package Type	Cardboard	Crate	Crate
Gross Weight	33 lbs	111.1 lbs	154 lbs
Dimensions, L x W x H	30" x 30" x 17"	42.5" x 42.5" x 30.5"	54" x 18" x 67"
Shipping Volume	8.9 cubic ft	31.9 cubic ft	35.6 cubic ft

## DRAWINGS

