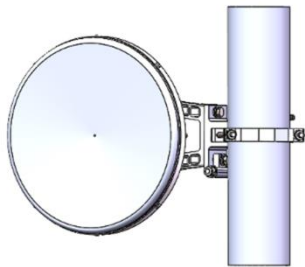


MW-V03S80

0.3m 80GHz High Performance Microwave Antenna



- High Performance Antenna
- 71.00-86.00 GHz
- Single-Polarized



Electrical Data

Operating Frequency	71.00-86.00 GHz	
Gain*	Low	45.0 dBi
	Mid	46.0 dBi
	High	47.0 dBi
3dB BW (Azimuth & Elevation)	0.8 deg	
Regulatory Compliance	ETSI 302 217 R7 Class3 US FCC Part 101.115	
RPE Number	RPE03-80	
VSWR (Return Loss)	1.50 (-14.0 dB)	
F/B Ratio	64 dB	
XPD	27 dB	
Polarization	Single-polarized	
Interface Waveguide Type	WR12 (BJ740)	

* Tolerance : ±1.0dBi.

Environmental Data

Operating Temperature	-55°C to +70°C	
Storage Temperature	-55°C to +70°C	
Wind resistance	Operational	180 km/h 112 mph
	Survival	252 km/h 157 mph

Mechanical Data

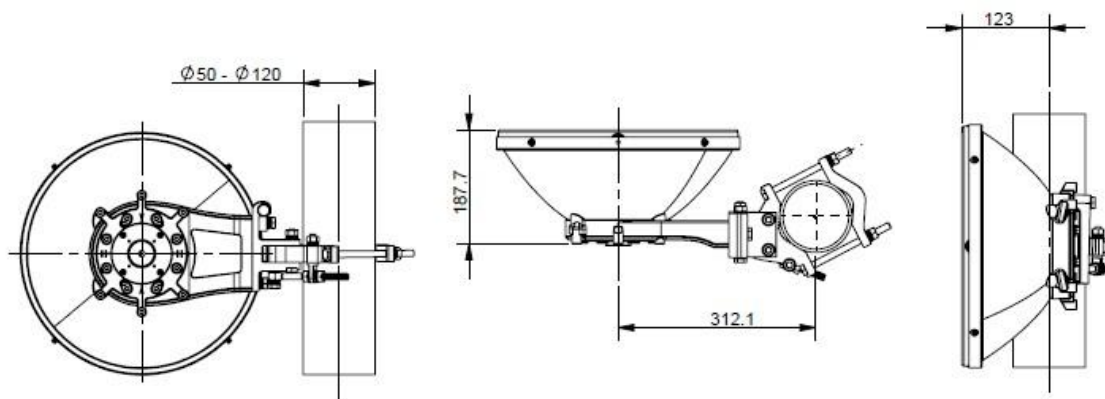
Reflector Construction	One-piece reflector	
Adjustment	Azimuth	±15°
	Elevation	±15°
Packed Dimension	L / W / H	450mm / 255mm / 465mm 17.72in / 10.04in / 18.31in
Packing	1 set in cardboard box	
Net Weight	5.25 kg 11.57 lb	
Gross Weight	6.85 kg 15.1 lb	

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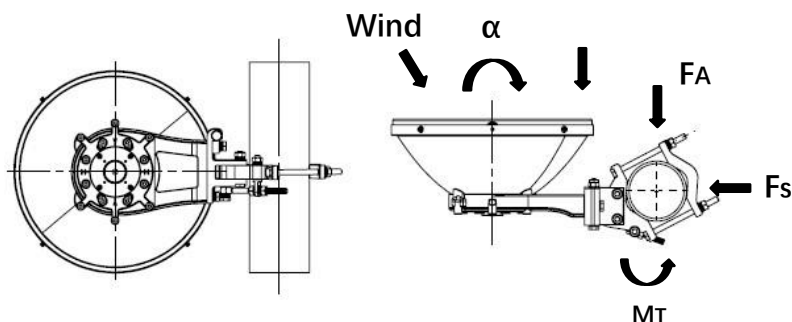
PROSE

Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120 mm 2-5 in
Side struts, included	0

Wind Forces at Wind Velocity Survival Rating



Axial Force (FA)	435 N 98 lb-f
Side Force (FS)	214 N 48 lb-f
Twisting Moment (MT)	126 N.M 93 lb-ft
Angle α for MT Max	0°

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.