

MW-V06D80

0.6m 80GHz High Performance Microwave Antenna



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



Electrical Data

Operating Frequency		71.00-86.00 GHz
Gain*	Low	50.0 dBi
	Mid	50.5 dBi
	High	51.0 dBi
3dB BW (Azimuth & Elevation)		0.5 deg
Regulatory Compliance		ETSI 302 217 R7 Class3 US FCC Part 101.115
RPE Number		RPE06-80
VSWR (Return Loss)		1.50 (-14.0 dB)
F/B Ratio		68 dB
XPD		27 dB
Polarization		Dual-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	144 km/h 89 mph
	Survival	252 km/h 157 mph

Mechanical Data

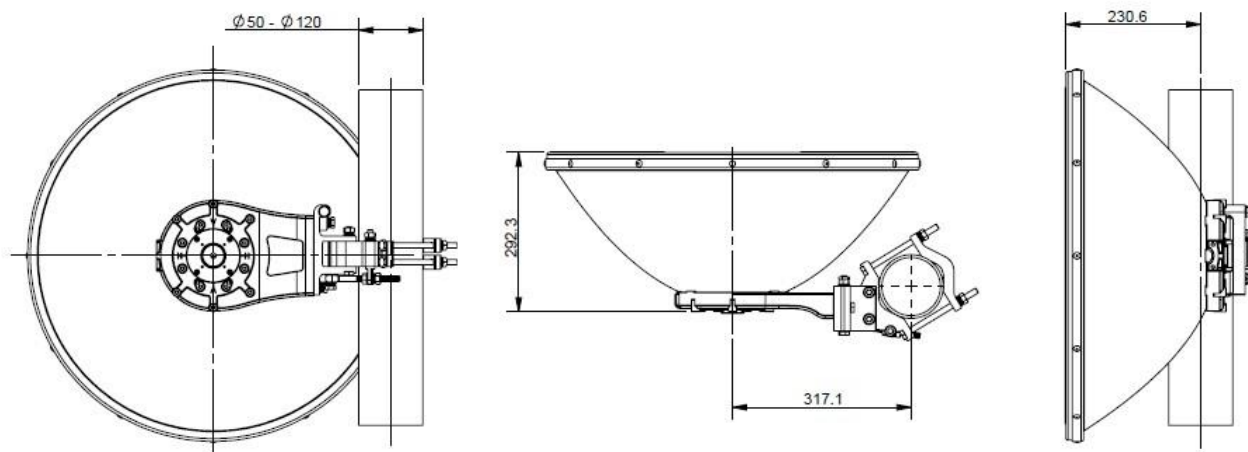
Reflector Construction		One-piece reflector
Adjustment	Azimuth	±15°
	Elevation	±15°
Packed Dimension	L / W / H	710 mm / 710 mm / 415 mm 27.95 in /27.95 in /16.34 in
Packing		1 set in cardboard box
Net Weight		8.8 kg 19.4 lb
Gross Weight		13.55 kg 29.87 lb

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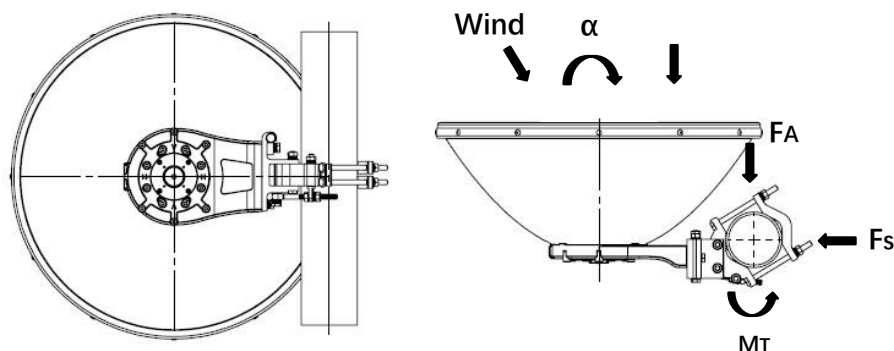
PROSE

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)	1281 N 288 lb-f
Side Force (FS)	632 N 142 lb-f
Twisting Moment (MT)	480 N.M 354 lb-ft
Angle α for MT Max	0°

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