

MW-V06D18

0.6m 18GHz High Performance Microwave Antenna

PROSE

- High Performance Antenna
- 17.70-19.70 GHz
- Dual-Polarized



Electrical Data

Operating Frequency		17.70-19.70 GHz
Gain*	Low	38.6 dBi
	Mid	39.0 dBi
	High	39.4 dBi
3dB BW (Azimuth & Elevation)		2.1 deg
Regulatory Compliance		ETSI 302 217 R2 Class3 US FCC Part 101A
RPE Number		RPE06-18
VSWR (Return Loss)		1.30 (-17.7 dB)
F/B Ratio		67 dB
XPD		30 dB
Polarization		Dual-polarized
Interface Waveguide Type		WR42 (BJ220)

* Tolerance : ± 1.0 dBi.

Environmental Data

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

Mechanical Data

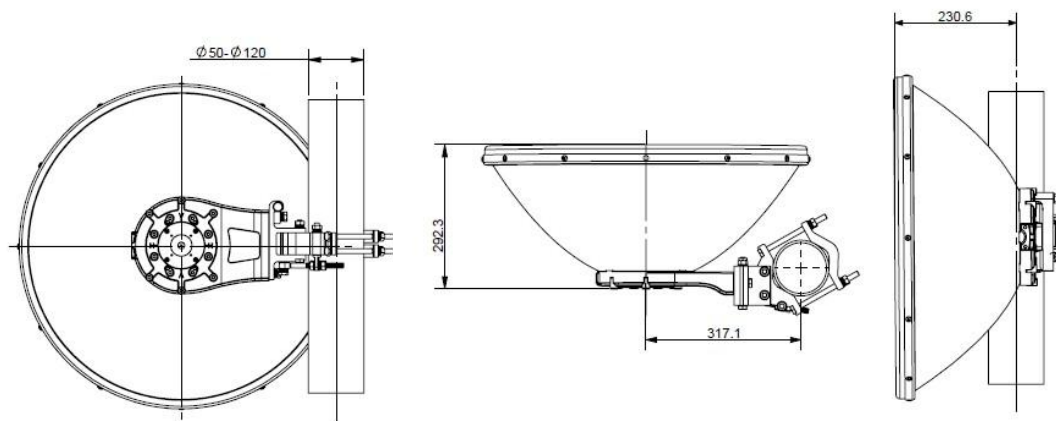
Reflector Construction		One-piece reflector
Adjustment	Azimuth	$\pm 15^\circ$
	Elevation	$\pm 15^\circ$
Packed Dimension	L / W / H	710mm / 710mm / 415mm
Packing		1 set in cardboard box
Net Weight		11.7Kg (25.8LB)
Gross Weight		16.7Kg (36.8LB)

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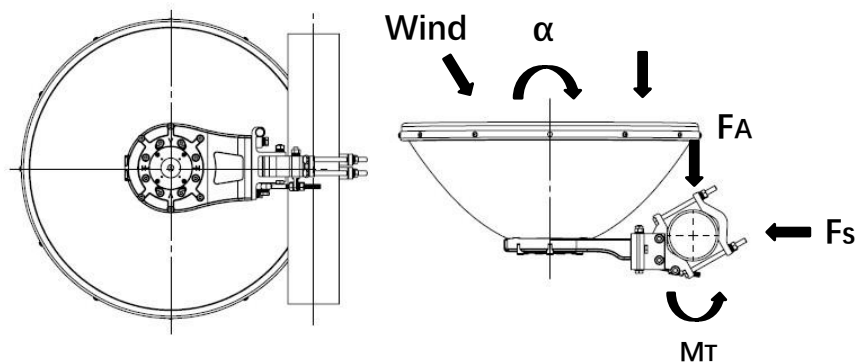
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Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120 mm
Side struts, included	0

Wind Forces at Wind Velocity Survival Rating



Axial Force (FA)	1281 N
Side Force (FS)	632 N
Twisting Moment (MT)	480 N.M
Angle α for MT Max	0°

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