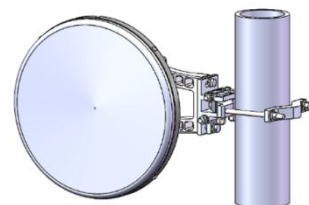


MW-V03S18

0.3m 18GHz High Performance Microwave Antenna

PROSE

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



Electrical Data

Operating Frequency		17.70-19.70 GHz
Gain*	Low	33.9 dBi
	Mid	34.5 dBi
	High	34.8 dBi
3dB BW (Azimuth & Elevation)		3.2 deg
Regulatory Compliance		ETSI 302 217 R2 Class3 US FCC Part 101B2
RPE Number		RPE03-18
VSWR (Return Loss)		1.30 (-17.7 dB)
F/B Ratio		63 dB
XPD		30 dB
Polarization		Single-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

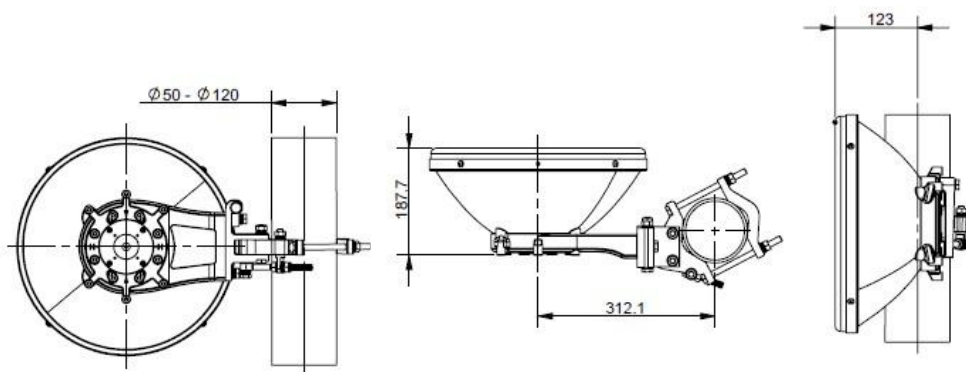
Reflector Construction		One-piece reflector
Adjustment	Azimuth	$\pm 15^\circ$
	Elevation	$\pm 15^\circ$
Packed Dimension	L / W / H	450mm / 255mm / 465mm
Packing		1 set in cardboard box
Net Weight		4.6Kg (10.14LB)
Gross Weight		6.6Kg (14.55LB)

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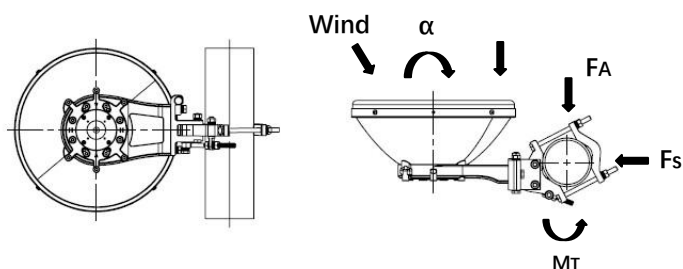
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Antenna Dimension (in mm) and Mounting Kit



Pole diameter	50-120 mm
Side struts, included	0

Wind Forces at Wind Velocity Survival Rating



Axial Force (FA)	435 N
Side Force (FS)	214 N
Twisting Moment (MT)	126 N.M
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.