

MT-799002/W

80 GHz 45.5 dBi 1' Parabolic Antenna

Electrical

Regulatory Compliance	FCC, ETSI Class 3, RoHS , CE 0682
Frequency	71 – 76 GHz, 81 – 86 GHz
Gain	45.5 ± 1 dBi
VSWR	1.5:1
3 dB Beam Width	FCC, ETSI Class 3 1.2° max
Polarization	Linear Vertical or Horizontal or Dual Pol
Side Lobes Level	FCC, ETSI Class 3
Cross Polarization	FCC, ETSI Class 3
Cross Polarization Discrimination	27 dB min
F/B Ratio	FCC, ETSI Class 3
Input Power	10 W max

Mechanical

Dimensions Diameter x Depth	Ø385 x 150 mm max
Weight	4.6 kg max
Interface	Circular
Radome	Plastic

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45 °C +70 °C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67*
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			252 Km/h
	Operation			164 Km/h

* IP 67 for feed and interface to the installed radio