

MT-404066/ND

3.3 – 3.8 GHz 16 dBi 90° Dual Slant Sector Antenna



Electrical

Frequency	3.3 – 3.8 GHz
Gain	16.0 ± 0.5 dBi
VSWR	1.5:1 typ, 1.7:1 max
3 dB Azimuth Beam Width	90° typ
3 dB Elevation Beam Width	8° typ
Polarization	Dual Slant, ± 45°
Side Lobes Level	-13 dB typ, -10 dB typ
Cross Polarization Discrimination	-12 dB typ
Cross Polarization	-15 dB typ
F/B Ratio	-30 dB max, -35 dB typ
Port To Port Isolation	30 dB typ
Input Impedance	50 ohm
Input Power	6 W CW
Lightning Protection	DC Grounded

Mechanical

Dimensions	600 x 215 x 90 mm max
Weight	1.8 kg max
Connector	2 x N-Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

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			IP64
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load (Survival):	Front Thrust			36.8 kg
	Side Thrust			12.0 kg

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