

MT-404083/ND

3.3 – 3.8 GHz 17 dBi 90° Dual Slant Sector Antenna

Electrical

Frequency	3.3 – 3.8 GHz
Gain	17.0 ± 0.5 dBi min
VSWR	1.5 : 1 typ, 1.7 : 1 max
-3 dB Azimuth Beam Width	90° typ
-3 dB Elevation Beam Width	5° typ
Polarization	Dual Slant, ± 45°
Side lobes Level	- 12 dB typ
Cross Polarization Discrimination	- 15 dB max, - 20 dB typ
Cross Polarization	- 15 dB typ
F/B Ratio	- 30 dB max, - 35 dB typ
Port To Port Isolation	30 dB
Input Impedance	50 ohm
Input Power	6W CW
Lightning Protection	DC Grounded

Mechanical

Dimensions	900 x 215 x 90 mm max
Weight	2.8 kg max
Connector	2 x N-Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mechanical Down Tilt	0° to -10°

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			53.4 kg
	Side Thrust			17.4 kg

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