

MT-344083/ND

2.3 – 2.7 GHz 16.5 dBi 90° Double Dual Slant Sector Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	16.5 ±1.0 dBi
VSWR	1.7:1 typ, 2.0:1 max
Azimuth Beam Width @13 dBi	90° typ
-3 dB Elevation Beam Width	7° typ
Polarization	Double Dual Linear, ±45°
Cross Polarization	-16 dB typ, -13 dB max
Elevation Side Lobes Level	-10 dB typ
Port to Port Isolation	26 dB min, 30 dB typ
F/B Ratio @ ±140 - ±180	-30 dB max
Input Impedance	50 ohm
Input Power	20 W CW, 250 W peak
Lightning Protection	DC Grounded

Mechanical

Dimensions	1152 x 281 x 91 mm max
Weight	6.0 kg max
Connector	4 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 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP64
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			Class HB
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 Trust			110.9 kg
	Side Trust			33.5 kg

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