

MT-364054/ND

2.3– 2.7 GHz 17 dBi 65° Dual Slant Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 302 326- V1.1.2 (2006-03) RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	16.0 ± 0.5 dBi @ 2.3 - 2.4 GHz 16.5 ± 0.5 dBi @ 2.4 - 2.5 GHz 17.0 ± 1 dBi @ 2.5 - 2.7 GHz
VSWR	1.5:1 typ, 1.7:1 max
Azimuth -3 dB Beam Width	65° typ
Elevation -3 dB Beam Width	7° typ
Polarization	Dual Slant ±45°
Cross Polarization	-20 dB typ, -15 dB max
Side Lobes Level	ETSI EN 302 326- V1.1.2 (2006-03)
Side Lobes Level @ Azimuth: ± 100° to ± 180°	-20 dB max @ 2.3 - 2.5 GHz -25 dB max @ 2.5 - 2.7 GHz
Port to Port Isolation	23 dB min, 30 dB typ
F/B Ratio	-30 dB max
Input Impedance	50 ohm
Input Power	20 W CW, 250 W peak
Lightning Protection	DC Grounded

Mechanical

Dimensions	945 x 126 x 37 mm max
Weight	3.0 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 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	Front Thrust			34 kg
Survival	Side Thrust			10 kg

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