

# MT-324013/ND

1.95 – 2.15 GHz 17.5 dBi 65° Double Dual Slant Sector Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	1.95 – 2.15 GHz
Gain	17.5 ± 0.5 dBi
VSWR	1.5:1 typ, 1.7:1 max
-3.5 dB Azimuth Beam Width	65° typ
14 dBi Azimuth Beam Width	60° min
-3 dB elevation Beam Width	7.5° typ
Polarization	Double Dual Slant 2 x ±45°
Cross Polarization	-20 dB typ
Elevation Side Lobes Level	-12 dB typ
F/B Ratio	-30 dB max
Port to Port Isolation	25 dB min, 30 dB typ
Input Impedance	50 ohm
Input Power	6 W CW
Lightning Protection	DC Grounded

## Mechanical

Dimensions	990 x 280 x 91 mm max
Weight	4 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 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	Front Thrust			79.2 kg
Survival	Side Thrust			25.7 kg

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