

# MT-464017/ND

5 – 5.95 GHz 16 dBi 65° Dual Slant Sector Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	5 – 5.95 GHz
Gain	16 dBi min
VSWR	2:1 typ
-3 dB Azimuth Beam Width	65° typ
-3 dB Elevation Beam Width	9° typ
Polarization	Dual Slant ±45°
Cross Polarization @ 60°	-15 dB max
F/B Ratio	40 dB typ, 30 dB min
Elevation Side Lobes Level	-14 dB max
Port to Port Isolation	30 dB typ, 25 dB min
Input Impedance	50 ohm
Input Power	20 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	500 x 200 x 30 mm max
Weight	1.5 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		
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			28.8 kg
Survival	Side Thrust			4.1 kg

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