

# MT-344096/N/A

2.1 – 2.5 GHz 16 dBi Directional Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682	
Frequency	2.1 – 2.5 GHz	
Gain	15 dBi min 2.1 – 2.15 GHz 16 dBi min 2.15 – 2.5 GHz	
VSWR	2:1 max @ 2.1-2.15 GHz 1.7:1 max @ 2.15 – 2.4 GHz 2.0:1 max @ 2.4 – 2.5 GHz	
3 dB Beam Width	20° typ	
Polarization	Linear Vertical or Horizontal	
Side Lobes Level	Azimuth	-10 dB max
	Elevation	-10 dB max @ -90°– 0° -5 dB max @ 0°– 90°
Cross Polarization	18 dB typ, -15 dB max	
Cross Polarization Discrimination	-20 dB typ	
F/B Ratio	-26 dB max	
Input Impedance	50 ohm	
Input Power	6 W	
Lightning Protection	DC Grounded	

## Mechanical

Dimensions	305 x 305 x 25 mm max
Weight	1 kg max
Connector	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			IP67
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			103.6 kg
	Side Trust			8.6 kg

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