

# MT-464005/N

4.9 – 5.1 GHz 18 dBi Directional Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 – 5.1 GHz
Gain	18 ± 0.5 dBi min
VSWR	1.8:1 max
3 dB Azimuth Beam Width	20° typ
Polarization	Vertical or Horizontal
3 dB Elevation Beam Width	17° typ
Azimuth Side Lobes Level	-20 dB max
Elevation Side Lobes Level	-12 dB max
Cross Polarization	-20 dB max
F/B Ratio	-35 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	190 x 190 x 30.5 mm max
Weight	0.7 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		
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			10.5 kg
Survival	Side Thrust			1.6 kg

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