

MT-462007/N/A

4.9 – 5.875 GHz 8.5 dBi Omni Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 – 5.875 GHz
Gain	8.5 ±1 dBi
VSWR	2:1 max
Azimuth Ripple	±1.5 dB max
Gain Ripple	7.2 dBi ±0.8 dB @ 4.9 – 5.15 GHz 8.2 dBi ±1.3 dB @ 5.15 – 5.47 GHz 7.5 dBi ±1.9 dB @ 5.47 – 5.875 GHz
Azimuth Beam Width	360°
Polarization	Vertical
E-Plane Beam Width	9.5°±1°
E-Plane Side Lobes	-10 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	Ø28 x 345 mm max
Weight	0.5 kg max
Connector	N – type male
Radome	Plastic

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

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