

MT-482003/N

5.15 – 5.875 GHz 8 dBi Omni Directional Antenna

Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	5.15 – 5.875 GHz
Gain	8 dBi
VSWR	1.7:1 typ
Azimuth Beam Width	Omni
Elevation Beam Width	4.5° typ
Azimuth Ripple	2 dB
Polarization	Linear Vertical
E – Plane Side Lobes Level	-10 dB typ
Input Impedance	50 ohm
Input Power	4 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	Ø60 x 700 mm max
Weight	1.5 kg max
Connector	N – type
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			6.5 kg
Survival	Side Thrust			6.5 kg

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