

MT-481003/NV

5.15 – 5.875 GHz 5.5 dBi Omni Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	5.15 – 5.875 GHz
Peak Gain & Azimuth Ripple	5 dBi ± 1 dB @ 5.15 - 5.25 GHz 5.5 dBi ± 1 dB @ 5.25 - 5.47 GHz 6 dBi ± 1 dB @ 5.47 - 5.875 GHz
Peak Gain & Azimuth Ripple @ Horizon	4 dBi ± 1 dB @ 5.15 GHz 5.5 dBi ± 1 dB @ 5.35 GHz 6 dBi ± 1 dB @ 5.55 GHz 5.5 dBi ± 1 dB @ 5.75 GHz 4 dBi ± 1 dB @ 5.875 GHz
VSWR	1.5:1 typ, 1.7:1 max
Azimuth Beam Width	360°
Electrical Tilt	-8° @ 5.15 GHz -2° @ 5.35 GHz 1° @ 5.55 GHz 5° @ 5.75 GHz 8° @ 5.875 GHz
Polarization	Vertical
E-Plane Beam Width	22° typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	Ø16 x 191 mm max
Weight	0.1 kg max
Connector	N- Type Female
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			IP64
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			0.74 kg
Survival	Side Thrust			0.39 kg

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