

MT-951031/NV/A

2.4–2.5, 4.9-5.925 GHz 8 dBi Omni Directional Antenna

Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	2.4 – 2.5 GHz 4.9 – 5.925 GHz
Gain	5.0 dBi ± 1.0 dB @ 2.4 – 2.5 GHz 7.5 dBi ± 1.0 dB @ 4.9 – 5.925 GHz
Ripple	±1 dB max
VSWR	2.0:1 max @ 2.4 – 2.5 GHz 2.0:1 max @ 4.9 – 5.6 GHz 2.5:1 max @ 5.6 – 5.925 GHz
Azimuth Beam Width	360°
Polarization	Vertical
E-Plane Beam Width	28° typ @ 2.4 – 2.5 GHz 14° typ @ 4.9 – 5.925 GHz
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions Diameter x Height	Ø28 x 260 mm max
Weight	0.2 kg max
Connector	N- Type male
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

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