

MT-952021/NV/A

2.4–2.5, 4.9-5.9 GHz 7/9 dBi Omni Directional Antenna

Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	2.4 – 2.5 GHz 4.9 – 5.9 GHz
Gain	7.0 dBi ± 1.0 dB @ 2.4 – 2.5 GHz 7.5 dBi ± 1.0 dB @ 4.9 – 5.3 GHz 8.0 dBi ± 1.0 dB @ 5.3 – 5.5 GHz 9.0 dBi ± 1.0 dB @ 5.5 – 5.8 GHz 8.0 dBi ± 1.0 dB @ 5.8 – 5.9 GHz
VSWR	2.0 :1 max, 1.7:1 typ
Azimuth Beam Width	360°
Polarization	Vertical
E-Plane Beam Width	13.5° ± 1.0° @ 2.4 – 2.5 GHz 7.0° ± 1.0° @ 4.9 – 5.9 GHz
Cross Polarization	-15 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions Diameter x Height	Ø28 x 460 mm max
Weight	0.3 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		
Flammability	UL 94			Class HB
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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