

# MT-443007/NV

4.4-5 GHz 10 dBi Omni Directional Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.4 - 5 GHz
Gain + Gain Ripple	9 ± 1.5 dBi @ 4.4 – 4.5 GHz 10 ± 1.5 dBi @ 4.5 – 4.9 GHz 9.5 ± 1.5 dBi @ 4.9 – 5.0 GHz
Peak Gain	10.5 ± 1 dBi
VSWR	1.5:1 typ, 2.1:1 max
Azimuth Beam Width	360°
Polarization	Vertical
Azimuth Cross Polarization	-20 dB typ, -18 dB max
E-Plane Beam Width	5° typ
Input Impedance	50 ohm
Input Power	10 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	Ø28 x 610 mm max
Weight	0.75 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			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			190 Km/h
	Operation			160 Km/h

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