

# MT-342034/NV

2.3 – 2.4 GHz 8.25 dBi Omni Directional Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.3 – 2.4 GHz
Gain	8.25 dBi min
VSWR	1.5:1 max
Azimuth Beam Width	360°
Gain + Azimuth Ripple	8.25 ± 0.8 dB
Polarization	Linear Vertical
Elevation Down tilt	6° ±2°
E – Plane Beam Width	11 deg typ
Elevation Pattern Side Lobes	-8 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	Ø30 X 733 mm max
Weight	0.7 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		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Operation			160 Km/h

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