

MT-382002/NVH

3.5 – 3.8 GHz 10 dBi Dual Pol Omni Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	3.5 – 3.8 GHz
Gain	10 dBi
VSWR	1.7:1
Azimuth Coverage	360°
Azimuth Ripple	±2 dB
3 dB Elevation Beam Width	8°
Polarization	Vertical & Horizontal
Cross Polarization	-20 dB
Port to Port Isolation	35 dB
Input Impedance	50 ohm
Input Power	20 W
Lightning Protection	DC Grounded

Mechanical

Dimensions	Ø65 x 580 mm max
Weight	0.75 kg max
Connector	2 x N-type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-45 °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 4M3
Shock Mechanical	IEC 60721-3-4			4M3
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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