

# MT-262002/NVH

902 - 928 MHz 6.5 dBi Dual Pol Directional Antenna



## Electrical

Frequency	902 - 928 MHz
Gain	6.5 dBi min
VSWR	1.7:1 max
Azimuth 3 dB Beam Width	Port V: 75° typ Port H: 65° typ
Elevation 3 dB Beam Width	Port V: 70° typ Port H: 80° typ
Polarization	Dual Linear Vertical and Horizontal
Cross Polarization	-15 dB max
Port To Port Isolation	20 dB typ
F/B Ratio	-15 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	190 x 190 x 30 mm max
Weight	0.7 kg max
Connector	Two 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	-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 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP63
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
Wind Load (Survival):	Front Thrust			39.6 kg
	Side Thrust			4.3 kg

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