

MT-524002/NVH

7.0-8.0 GHz 17 dBi 90° Sector Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency Range	7.0 – 8.0 GHz
Gain	17.0 ± 1.0 dBi
VSWR	2.0:1 max 1.7 : 1 typ
Azimuth Beam Width at 13 dBi	90°± 10°
-3 dB Elevation Beam Width	6°± 2°
Azimuth Squint	±5° max
Polarization	Dual Linear Vertical & Horizontal
Side lobes Level Elevation	-10 dB max
Cross Polarization	-15 dB max
Port To Port Isolation	25 dB min
F/B Ratio	20 dB min
Input Impedance	50 ohm
Input Power	6W max
Lightning Protection	DC grounded

Mechanical

Dimensions (LxWxD)	500 x 200 x 30 mm max
Weight	1.5 kg max
Connector	Two N type Female
Radome	Plastic Polypropylene RAL-9002
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 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	2000 h		
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	Front Thrust			26.8 kg
Survival	Side Thrust			1.3 kg

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