

# MT-464047/NVH

4.9-6.425 GHz 16 dBi 90° Dual Pol Sector Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.3.1, (2008-02) RoHS, CE 0682
Frequency	4.9 - 6.425 GHz
Gain	16.0 dBi typ
VSWR	1.7:1 typ, 2:1 max
-3 dB Beam Width Azimuth	90° typ
-3 dB Beam Width Elevation	7° typ
Polarization	Dual Linear Vertical and Horizontal
Side Lobes Level Azimuth	ETSI EN 302 326-3 V1.3.1 CS2, Port V ETSI EN 302 326-3 V1.3.1 CS2, Port H
Cross Polarization	-20 dB typ
Port to Port Isolation	45 dB typ, 42 dB min
F/B Ratio	30 dB min
Input Impedance	50 Ω
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	371 x 371 x 40 mm max
Weight	2 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	-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			IP67
Solar Radiation	ASTM G53	2000 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	Front Thrust			39.6 kg
Survival	Side Thrust			4.3 kg

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