

# MT-484027/NVH

5.25 – 5.875 GHz 14 dBi 90° Dual Pol Sector Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2 RoHS 0682	
Frequency	5.25 – 5.875 GHz	
Gain	14 dBi min	
VSWR	1.7:1 max	
11 dBi Azimuth Beam Width	ETSI EN 302 085 v1.1.2 CS1-CS3 86° min	
Polarization	Vertical	
11 dBi Elevation Beam Width	10° ±1°	
Side Lobes Level	ETSI EN 302 085 v1.1.2 CS1-CS3 -30dB at ± 135°	
Elevation Null Fill	5°	-3.5 dB min
	10°	-14 dB min
	15°	-16 dB min
	20°	-14 dB min
Cross Polarization	Azimuth: -25 dB max Elevation: -15 dB max	
Port to Port Isolation	50 dB min	
F/B Ratio	-35 dB max	
Input Impedance	50 ohm	
Input Power	6 W max	
Lightning Protection	DC Grounded	

## Mechanical

Dimensions	860 x 272 x 10 mm max	
Weight	5 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 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP54
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	Front Thrust			67.4 kg
Survival	Side Thrust			2.5 kg

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