

# MT-344087/NVH

2.3 – 2.7 GHz 15 dBi 60° Dual Pol Sector Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.3.1(2007-09) Table 10 RoHS CE 0682
Frequency	2.3 – 2.7 GHz
Gain	15 dBi min
VSWR	1.7:1 max, 1.5:1 typ
3 dB Azimuth Beam Width	60° typ
3 dB Elevation Beam Width	12° typ
Polarization	Linear Vertical and Horizontal
Side Lobes Level	ETSI EN 302 326-3 V 1.3.1
Cross Polarization	ETSI EN 302 326-3 V 1.3.1
Isolation	30 dB min
F/B Ratio	ETSI EN 302 326-3 V 1.3.1
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	500 x 200 x 30 mm max
Weight	1.5 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 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
Wind Load (Survival)	Front Trust			28.8 kg
	Side Trust			4.1 kg

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