

MT-344092/NVH

2.3 – 2.7 GHz 17.5 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	17.5 ± 1.0 dBi
VSWR	2.0:1 max
-3 dB Beam Width	21° ± 2°
Polarization	Dual Linear Vertical and Horizontal
Side Lobes Level	ETSI EN 302 326-3 V 1.3.1 DN4
Cross Polarization	ETSI EN 302 326-3 V 1.3.1 DN4
Port to Port Isolation	25 dB min
F/B Ratio	ETSI EN 302 326-3 V 1.3.1 DN4
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	305 x 305 x 15 mm max
Weight	1 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			IP67
Solar Radiation	ASTM G53	1000 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 (Survival)	Front Trust			26.8 kg
	Side Trust			1.3 kg

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