

MT-343059/NVH

2.3 – 2.7 GHz 14 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	14.0 ± 1.0 dBi
VSWR	1.5:1 typ, 2.0:1 max
Azimuth Beam Width Port V & Port H	35° typ
Elevation Beam Width Port V & Port H	35° typ
Polarization	Dual Linear, Vertical and Horizontal
Side Lobes Level	-13 dB typ
Cross Polarization	-20 dB typ, -15 dB max
Port to Port Isolation	20 dB typ
F/B Ratio	-25 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	190 x 190 x 30.3 mm max
Weight	0.5 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			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 Thrust			10.5 kg
	Side Thrust			1.6 kg

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