

MT-345023/NVH

2.3 – 2.7 GHz 24 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	23 dBi min 2.3 – 2.6 GHz 24 dBi min 2.6 – 2.7 GHz
VSWR	2.0:1 max, 1.7:1 typ
3 dB Beam Width	10° typ
Polarization	Dual Linear Vertical and Horizontal
Side Lobes Level	-14 dB typ
Cross Polarization	-20 dB typ
Port to Port Isolation	30 dB typ
F/B Ratio	30 dB min
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	600 x 600 x 50 mm max
Weight	5 kg max
Connector	2 x N-type
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			103.6 kg
	Side Trust			8.6 kg

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