

MT-485025/NVH

5.15 – 6 GHz 23 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2(2001-2006) RoHS CE 0682
Frequency	5.15 - 6 GHz
Gain	22.5 dBi ± 0.5 @ 5.15 - 5.25 GHz port H 23 dBi ± 0.5 @ 5.25 - 6 GHz port H 24 dBi ± 0.5 port V
VSWR	1.5:1 typ, 1.8:1 max
3 dB Beam Width	9° typ
Polarization	Vertical and Horizontal
Side Lobes Level	ETSI EN 302 085 V1.1.2, TS1-TS3
Cross Polarization	ETSI EN 302 085 V1.1.2, TS1-TS3
Port to Port Isolation	40 dB min
F/B Ratio	35 dB min
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	371 x 371 x 40 mm max
Weight	2.5 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		
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			39.6 kg
Survival	Side Thrust			4.3 kg

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