

MT-485053/NVH

5.15 – 5.875 GHz 19.5 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.1.2 (2006-03) RoHS, CE 0682
Frequency	5.15 – 5.875 GHz
Gain	19.0 ± 0.5 dBi @ 5.15-5.725 GHz 19.5 ± 0.5 dBi @ 5.725-5.875 GHz
VSWR	1.5:1 typ, 1.7:1 max
Azimuth Beam Width	17° typ
Elevation Beam Width	17° typ
Polarization	Dual Linear Vertical & Horizontal
Side Lobes Level	-10 dB max
Cross Polarization	-20 dB max
Port to Port Isolation	30 dB min
F/B Ratio	-30 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	190 x 190 x 30.5 mm max
Weight	0.7 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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