

MT-385006/NVH

3.3 – 4.01 GHz 19.5 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682 ETSI EN 302 326-3 V 1.3.1 (2008-2)
Frequency	3.3 – 4.01 GHz
Gain	17.5 dBi min @ 3.3 - 3.4 GHz 19.5 ±1.0 dBi @ 3.4 - 4.01 GHz
VSWR	2.0 : 1 max @ 3.3 - 3.8 GHz 2.2 : 1 max @ 3.8 - 4.01 GHz
-3 dB Beam Width	14° ± 2°
Side Lobes Level	ETSI EN 302 326-3 V 1.3.1 DN3
Polarization	Dual Linear Vertical & Horizontal
Cross Polarization	ETSI EN 302 326-3 V 1.3.1 DN3
Port to Port Isolation	30 dB min
F/B Ratio	ETSI EN 302 326-3 V 1.3.1 DN3
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	Front Thrust			26.8 kg
Survival	Side Thrust			1.3 kg

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