

MT-955005/NV

2.3–2.7, 4.9-5.875 GHz 16/20 dBi Dual Band Directional Antenna

Electrical		Band 1	Band 2
Regulatory Compliance		ETSI EN 302 326-3 V1.1.2 (2006-03) RoHS , CE 0682	
ETSI	DN2	DN2 @ 4.9-5.25GHz DN3 @ 5.25-5.875GHz	
Frequency	2.3 – 2.7 GHz	4.9 – 5.875 GHz	
Gain	16 ±1 dBi	20 ±0.5 dBi	
VSWR	1.8:1 max @ 2.3 – 2.5 GHz 2.2:1 max @ 2.5 – 2.7 GHz	2.1:1 max @ 4.9-5.47 GHz 1.9:1 max @ 5.47 – 5.875 GHz	
3 dB Beam Width	Azimuth	40° ±5°	19° ±2°
	Elevation	18.5° ±1°	9.5° ±1°
F/B Ratio	-28 dB max	-40 dB max	
Polarization	Linear Vertical		
Side Lobes Level	-10 dB max		
Cross Polarization	-18 dB max		
Isolation	30 dB min		
Input Impedance	50 ohm		
Input Power	6 W max		
Lightning Protection	DC Grounded		

Mechanical

Dimensions	305 x 305 x 15 mm max
Weight	1.2 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			39.6 kg
Survival	Side Thrust			4.3 kg

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