

MT-404040/NLH

3.4 – 3.7 GHz 17 dBic LHCP Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 302 085 TS1 - TS3
Frequency	3.4 – 3.7 GHz
Gain	17 dBic min
VSWR	1.5:1 max
3 dB Beam Width	17° typ
Polarization	LHCP
Side Lobes Level	-12 dB max
Axial Ratio	3 dB max
F/B Ratio	-30 dB max
Input Impedance	50 ohm
Input Power	10 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	305 x 305 x 25 mm max
Orientation	Rectangular
Weight	1.2 kg max
Connector	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 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			26.8 kg
	Side Trust			2.2 kg

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