

MT-405006/N

3.3 – 3.7 GHz 20 dBi Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.1 (2001-2006) Range 1, RoHS 0682
Frequency	3.3 – 3.6 GHz @ TS1-TS5 3.6 - 3.7 GHz @ TS1-TS3
Gain	19 dBi @ 3.3 - 3.4 GHz 20 dBi @ 3.4 - 3.7 GHz
VSWR	1.5:1 typ, 1.7:1 max
3 dB Beam Width	14° typ
Polarization	Linear Vertical or Horizontal
Cross Polarization	3.3 - 3.6 GHz TS1-TS5 3.6 - 3.7 GHz TS1-TS3
F/B Ratio	3.3 - 3.6 GHz TS1-TS5 3.6 - 3.7 GHz TS1-TS3
Side Lobes Level	3.3 - 3.6 GHz TS1-TS5 3.6 - 3.7 GHz TS1-TS3
Input Impedance	50 ohm
Input Power	6 W
Lightning Protection	DC Grounded

Mechanical

Dimensions	371 x 371 x 40 mm max
Weight	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	-40 °C +65 °C	3 Cycles
Vibration	ETSI EN300 019 1-4	30 min/axis		Random 4M3
Shock Mechanical	ETSI EN300 019 1-4			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	Front Thrust			39.6 kg
Survival	Side Thrust			4.3 kg

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