

MT-345017/N

2.3 – 2.7 GHz 20 dBi Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 301 525 V1.1.1 (2000-06) Range 1 RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	2.3 – 2.4 GHz 19 dBi min 2.4 – 2.7 GHz 20 dBi min
VSWR	1.6:1 typ, 1.8:1 max
3 dB Beam Width	15° ± 3°
Polarization	Liner Vertical or Horizontal
Side Lobes Level	ETSI EN 301 525 V1.1.1 (2000-06) TS2, TS3
Cross Polarization	ETSI EN 301 525 V1.1.1 (2000-06) TS2, TS3
F/B Ratio	ETSI EN 301 525 V1.1.1 (2000-06) TS2, TS3
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	450 x 450 x 36 mm max
Weight	3 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 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP64
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			57.8 kg
Survival	Side Thrust			4.6 kg

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