

MT-284001/N

1.85 – 1.99 GHz 14.5 dBi Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 301 525 V.1.1.1 (2006-06)
Frequency	1.85 – 1.99 GHz
Gain	14.5 ±0.5 dBi
VSWR	1.7:1 max
3 dB Beam Width	28°
Polarization	Linear, Vertical or Horizontal
Side Lobe Level	ETSI EN 301 525 V.1.1.1 (2006-06)
Cross Polarization	ETSI EN 301 525 V.1.1.1 (2006-06)
F/B Ratio	ETSI EN 301 525 V.1.1.1 (2006-06)
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	305 x 305 x 25 mm max
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 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Flammability	UL 94			Class HB
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 Speed	Front Thrust			26.8 kg
Survival	Side Thrust			2.2 kg

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