

MT-344020/N

2.15 – 2.69 GHz 16 dBi Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 301-525 V 1.1.1 (2001-06)	
Frequency	2.15 – 2.69 GHz	
Gain	15.5 dBi min 2.15 – 2.162 GHz 16 dBi min 2.162 – 2.69 GHz	
VSWR	1.5:1 max	
3 dB Azimuth Beam Width	21° typ	
3 dB Elevation Beam Width	20° typ	
Polarization	Linear Vertical or Horizontal	
Side Lobes Level	Azimuth	ETSI EN 301-525 V 1.1.1 (2001-06) TS1- TS3 -18 dB
	Elevation	-19 dB 2.15 – 2.5 GHz -16 dB 2.5 – 2.69 GHz
Cross Polarization	ETSI EN 301-525 V 1.1.1 (2001-06) TS1- TS2 -20 dB	
Cross Polarization Discrimination	-28 dB max	
F/B Ratio	-30 dB max	
Input Impedance	50 ohm	
Input Power	6 W max	
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	-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			39.6 kg
	Side Trust			4.3 kg

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