

MT-30021/B

10.15 – 10.65 GHz 25 dBi Directional Antenna

Electrical

Frequency	10.15 - 10.65 GHz
Gain	25 dBi min
VSWR	1.7 : 1 max
3 dB Beam Width	8° typ
Polarization	Linear Vertical or Horizontal
Sidelobes Level	ETSI EN 302 085 V1.1.2(2001-02) TS3
Cross Polarization	ETSI EN 302 085 V1.1.2(2001-02) TS3 -28 dB max
F/B Ratio	-40 dB max
Input Impedance	50 ohm
Input Power	6W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	261 x 261 x 13.5 mm max
Weight	1 kg max
Connector	SMA 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 Thrust			19.6 kg
	Side Thrust			3.8 kg

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