

MT075D21V0

6.725-8.5 GHz 21 dBi Directional Antenna

Electrical

Regulatory Compliance	RoHS CE
Frequency	6.725 – 8.5 GHz
Gain	21 dBi min
VSWR	2:1
Beam Width	10° typ
Polarization	Linear Vertical
Cross Polarization	30 dB min
F/B Ratio	25 dB
Side Lobes Level	12 dB
Input Impedance	50 Ω
Input Power	10 W
Lightning Protection	DC Grounded

Mechanical

Dimensions	305 x 305 x 14 mm max
Weight	1.2 kg max
Connector	N- Type Female
Radome	Plastic

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
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 Load	Front Thrust			26.8 kg
Survival	Side Thrust			1.3 kg

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