

MT035M13V0

1.57 – 1.62, 2.4 – 2.5, 5.1 – 5.9 GHz, 7/13/13 dBi Tri Band Antenna



Electrical

Regulatory Compliance	RoHS, CE 0682		
Frequency	1.57 – 1.62 GHz	2.4 – 2.5 GHz	5.1 – 5.9 GHz
Gain	7 dBi min	13 dBi min	13 dBi min
VSWR	1.5:1 max	1.5:1 max	1.7:1 typ 2:1 max
Elevation Side Lobes Level	-10 dB	-12 dB	-13 dB
-3 dB Elevation Beam width	>60°	30°	30°
-3 dB Azimuth Beam width	30°		
Polarization	Vertical		
Front to Back Ratio	15 dB min		
Input Impedance	50 Ω		
Power handling	10 W	150 W	150 W
Lightning Protection	DC grounded		

Mechanical

Dimensions	371 x 371 x 40 mm max		
Weight	2 Kg max		
Connector	3 X 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
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 Operation				220 Km/h 160 Km/h
Wind Load Survival				
Front Thrust				39.6 Kg
Side Thrust				4.3 Kg

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