

MT-952042/CD/C

Dual Band 2.4 – 2.49/4.9 – 6 GHz Quad Pol Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682	
Frequency	2.4 – 2.49 GHz	4.9 – 6 GHz
Polarization	Dual Slant $\pm 45^\circ$	
Gain	7.5 \pm 1 dBi	6 \pm 0.5 dBi @ 4.9 – 5.15 GHz 7.5 \pm 1 dBi @ 5.15 – 5.9 GHz 6 \pm 0.5 dBi @ 5.9 – 6 GHz
VSWR	1.6:1 typ, 2.0:1 max	
3 dB beam Width	70° typ	50° typ @ 4.9 – 5.47 GHz 45° typ @ 5.47 – 6 GHz
Port to Port Isolation	18 dB min	30 dB min
Cross Polarization	-13 dB typ	-15 dB typ
Front to Back Ratio	-20 dB typ	
Input Impedance	50 Ohm	
Input Power	6 W max	
Lightning Protection	DC Grounded	

Mechanical

Dimensions L x W x D	190 x 190 x 40 mm max Additional 11mm from each side is required for wall installation
Weight	1 Kg max
Connector	4 X SMA Male with 750 mm cable
Radome	Plastic
Base Plate	Plastic

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-40 °C	
High Temperature	IEC 68-2-2	72 h	+85 °C	
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	2000 h		
Flammability	UL 94			Class V2
Salt Spray	IEC 68-2-11 Ka	200 h		
Wind Speed Survival Operation				220 Km/h 160 Km/h
Wind Load (Survival)				
Front Thrust				10.3 Kg
Side Thrust				2.2 Kg

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