

MT-364027/N

2.7 – 2.9 GHz 16.5 dBi Directional Antenna

Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency Range	2.7 – 2.9 GHz
Gain	16.5 ± 0.5 dBi @ 2.7 GHz 16.0 ± 0.5 dBi @ 2.8 GHz 15.5 ± 0.5 dBi @ 2.9 GHz
VSWR	1.5:1 max
3dB Beamwidth	19° typ
Polarization	Linear Vertical or Horizontal
Side lobe level	-15 dB max
Cross Polarization	-20 dB max
F/B Ratio	-30 dB max
Input Impedance	50 ohm
Power	6W
Lightning Protection	DC Grounded

Mechanical

Dimensions L x W x D	305 x 305 x 25 mm max
Orientation	Square Shape
Weight	1.5 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 to +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				25mm Radial
Wind Speed Survival				220 Km/h
Operational				160 Km/h
Wind Load Survival				26.8 kg
Front thrust				2.2 kg
Side thrust				

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