

# MT-30093

3.3 – 3.8 GHz 24 dBi Directional Antenna

## Electrical

Frequency	3.3 – 3.8 GHz	
Gain	24 dBi min	
VSWR	3.3 – 3.7 GHz	1.9 : 1
	3.7 – 3.8 GHz	2 : 1
3 dB Beam Width	8° typ	
Polarization	Linear Vertical or Horizontal	
Sidelobes Level	ETSI EN 302 085 v 1.2 TS1-TS5	
Cross Polarization	ETSI EN 302 085 v 1.2 TS1-TS5	
F/B Ratio	ETSI EN 302 085 v 1.2 TS1-TS5	
Input Impedance	50 ohm	
Input Power	6W	
Lightning Protection	DC Grounded	

## Mechanical

Dimensions	600 x 600 x 52 mm max	
Weight	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 +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			220 Km/h
	Operation			160 Km/h
Wind Load (Survival):	Front Thrust			103.6 kg
	Side Thrust			8.6 kg

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