

# MT-264008S

1.2 - 1.35 GHz 17.5 dBi Directional Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	1.2 – 1.35 GHz
Gain	16.0 dBi typ @ 1.20 – 1.25 GHz
	17.5 dBi typ @ 1.25 – 1.30 GHz
	18.0 dBi typ @ 1.30 – 1.35 GHz
VSWR	1.5:1 max @ 1.20 – 1.30 GHz
	1.7:1 max @ 1.30 – 1.35 GHz
Azimuth Beam Width	20° nom
Elevation Beam Width	20° nom
Polarization	Linear
Side Lobes Level	-10 dB max, -13 dB typ
F/B Ratio	-20 dB max
Input Impedance	50 ohm
Input Power	1 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	600 x 600 x 51 mm max
Weight	5 kg max
Connector	SMA 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 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				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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