

# MT-364034/NH

2.3– 2.7 GHz 16.5 dBi 60° Sector Antenna

## Electrical

Regulatory Compliance	ETSI EN 301 525 V1.1.1 CS RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	16 dBi min @ 2.3 - 2.4 GHz 16.5 dBi @ 2.4 - 2.5 GHz 17.5 dBi min @ 2.5 - 2.7 GHz
VSWR	2:1 max @ 2.3 - 2.5 GHz 1.7:1 max @ 2.5 - 2.7 GHz
3 dB Azimuth Beam Width	62° ±5°
Polarization	Linear Horizontal
3 dB Elevation Beam Width	7.5° ±1.5°
Side Lobes Level	ETSI EN 301 525 V1.1.1 CS
Side Lobes Level on ±90°	-25 dB max @ 2.3 – 2.5 GHz 28 dB max @ 2.5 – 2.7 GHz
Cross Polarization	ETSI EN 301 525 V1.1.1 CS
F/B Ratio	ETSI EN 301 525 V1.1.1 CS
Input Impedance	50 ohm
Input Power	10 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	925 x 270 x 58 mm max
Weight	4 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			IP54
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			71.3 kg
	Side Thrust			14 kg

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