

# MT-364029/NV

2.3– 2.7 GHz 17.5 dBi 60° Sector Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	16 ± 0.5 dBi @ 2.3 - 2.4 GHz
	17 ± 0.5 dBi @ 2.4 - 2.5 GHz
	175 ± 0.5 dBi @ 2.5 - 2.7 GHz
VSWR	2:1 max @ 2.3 - 2.4 GHz
	1.7:1 max @ 2.4 - 2.7 GHz
Azimuth Beam Width	70° typ @ 2.3 - 2.4 GHz
	60° typ @ 2.4 - 2.7 GHz
Polarization	Linear Vertical
Elevation Beam Width	8.5° typ
Azimuth Side Lobes Level	ETSI EN 301 525 V1.1.1 CS
	-30 dB @ ±90° typ
Cross Polarization	ETSI EN 301 525 V1.1.1 CS
	-20 dB max
F/B Ratio	35 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	720 x 390 x 28 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			IP64
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	Front Thrust			80.2 kg
Survival	Side Thrust			5.8 kg

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