

MT-344029/NV

2.4 – 2.5 GHz 17.5 dBi 60° Sector Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.4 – 2.5 GHz
Gain	17.5 dBi min
VSWR	1.7:1 max
Azimuth Beam Width	60° ±3°
Elevation Beam Width	6° typ
Polarization	Linear Vertical
Azimuth Side Lobes Level	ETSI EN 301 525 V1.1.1 CS -19 dB max @ ± 90°
Cross Polarization	ETSI EN 301 525 V1.1.1 CS -20 dB max @ ± 90°
F/B Ratio	30 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	1050 x 128 x 28 mm max
Weight	2.5 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			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			38.4 kg
	Side Thrust			8.4 kg

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