

MT-364028/VN

2.3– 2.7 GHz 17 dBi 90° Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 301 525 V1.1.1 CS
Frequency	2.3 – 2.7 GHz
Gain	17 dBi min
VSWR	2.2:1 @ 2.3 - 2.4 GHz 1.7:1 max @ 2.4 - 2.7 GHz
Azimuth Beam Width	90° ±6°
Polarization	Vertical
Elevation Beam Width	5° typ
Azimuth Side Lobes Level	-30 dB max @ ±135°
Cross Polarization	-20 dB max
Cross Polarization Discrimination	-25 dB max
F/B Ratio	-30 dB max
Input Impedance	50 ohm
Input Power	6 W
Lightning Protection	DC Grounded

Mechanical

Dimensions	1232 x 330 x 30 mm max
Weight	5.5 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 4M3
Shock Mechanical	IEC 60721-3-4			4M3
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			116.1 kg
	Side Thrust			10.2 kg

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