

MT-363010/HN

2.4– 2.7 GHz 13 dBi 90° Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 301 525 V1.1.1 (2000-06) CS
Frequency	2.4 – 2.7 GHz
Gain	13 dBi min
VSWR	1.5:1 max
10.5 dBi Azimuth Beam Width	90° ± 6°
Polarization	Horizontal
Elevation Beam Width	13° typ
Side Lobes Level Azimuth	ETSI EN 301 525 V1.1.1 CS -25 dB max @ ± 135°
Azimuth Cross Polarization	ETSI EN 301 525 V1.1.1 CS -22 dB max
F/B Ratio	-25 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	508 x 330 x 30 mm max
Weight	3 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			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			48.6 kg
	Side Thrust			4.4 kg

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