MT-343018/NH

2.4 – 2.5 GHz 13 dBi 90° Sector Antenna

Wireless Edge Antenna Solutions
An MTI Company

Electrical

Regulatory Compliance	ETSI EN 301 525 V1.1.1. (2000-06)
Frequency	2.4 – 2.5 GHz
Gain	13 ± 1 dBi min
VSWR	1.5:1 max
10 dBi Azimuth Beam Width	90° min
Elevation Beam Width	13° typ
Polarization	Horizontal
Azimuth Side Lobes Level	ETSI EN 301 525 v1.1.1 CS -27 dB max @ ±135°
Cross Polarization	ETSI EN 301 525 v1.1.1 CS -20 dB max @ ±135°
Cross Polarization Discrimination	-28 dB max
F/B Ratio	ETSI EN 301 525 v1.1.1 CS -30 dB max @ ±135°
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	500 x 200 x 30 mm max
Weight	1.5 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			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 Trust				28.8 kg
	Side Trust				4.1 kg

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