MT-264003/NV

902 - 928 MHz 13.5 dBi 90° Sector Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Frequency	902 - 928 MHz
Gain	13.5 dBi min
VSWR	1.5:1 max
Azimuth Beam Width	90° typ
Elevation Beam Width	14° typ
Polarization	Linear Vertical
Cross Polarization	-20 dB max
Electrical Downtilt	1.5° typ
F/B Ratio	-23 dB max
1st Null	> -20 dB max
Input Impedance	50 ohm
Input Power	20 W max
Lightning Protection	DC Grounded

Mechanical	
Dimensions	1260 x 400 x 115 mm max
Weight	6.7 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				141 kg
	Side Thrust				10.5 kg

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