MT-243005/NVH

902 - 928 MHz 12 dBi 120° Dual Pol Sector Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical		
Regulatory Compliance		RoHS, CE 0682
Frequency		902 - 928 MHz
Gain Peak		12 dBi min
Gain Ripple		3 dB
VSWR		1.5:1 max
Azimuth Beam Width	Vert. Pol. Horiz. Pol.	120° typ 110° typ
Elevation Beam Width		16° typ
Polarization		Dual Vertical and Horizontal
Cross Polarization		-25 dB min
Port to Port Isolation		-35 dB min
F/B Ratio	Vert. Pol.	-24 dB typ
	Horiz. Pol.	-16 dB typ
Input Impedance		50 ohm
Input Power		10 W max
Lightning Protection		DC Grounded

Mechanical	
Dimensions	1220 x 500 x 145 mm max
Weight	6 kg max
Connector	2 x 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		
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 Speed Survival	Front Thrust				174.2 kg
	Side Thrust				50.5 kg

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