MT-343058/NVH

2.3 – 2.7 GHz 13 dBi 90° Dual Pol Sector Antenna

Wireless Edge Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	ETSI EN 302 326-3 V1.1.1. (2006-03) RoHS, CE 0682
Frequency	2.3 – 2.7 GHz
Gain	12.5 dBi min
VSWR	1.7:1 typ
Azimuth Beam Width @ 9.5 dBi	90° typ
3 dB Elevation Beam Width	20° typ
Polarization	Linear, Vertical and Horizontal
Side Lobes Level	ETSI EN 302 326-3 V1.1.1. SS
Cross Polarization	-20 dB typ
Elevation Side Lobes Level	-12 dB typ
Port to Port Isolation	30 dB min
F/B Ratio	-25 dB max
Input Impedance	50 ohm
Input Power Lightning Protection	6 W max DC Grounded

Mechanical	
Dimensions	371 x 371 x 40 mm max
Weight	2.5 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 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 Trust				39.6 kg
	Side Trust				4.3 kg

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