

MT-243004/NVH

902 - 928 MHz 13 dBi 90° Dual Pol Sector Antenna

Electrical

Regulatory Compliance		RoHS, CE 0682
Frequency		902 - 928 MHz
Gain	Port V:	13.0 ±0.5 dBi
	Port H:	12.5 ±0.5 dBi
VSWR		1.5:1 max
Azimuth Beam Width	Port V:	90° min
	Port H:	87° min
Elevation Beam Width		16.5° typ
Polarization		Dual Pol Vertical and Horizontal
Cross Polarization	Azimuth	-25 dB max
	Elevation	-18 dB max
Port to Port Isolation		-35 dB max
F/B Ratio	Port V:	-24 dB max
	Port H:	-15 dB max
Input Impedance		50 ohm
Input Power		6 W max
Lightning Protection		DC Grounded

Mechanical

Dimensions		1220 x 450 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	Front Thrust			156.8 kg
Survival	Side Thrust			50.5 kg

This document and the information contained in it are proprietary and confidential to MTI. No person is allowed to copy reprint reproduce or publish any part of this document nor disclose its contents to others nor make any use of it nor allow or assist others to make any use of it, unless by the prior written express authorization of MTI and then only to the extent authorized.