

MT-324010/NVH

2.0 – 2.3 GHz 14 dBi 120° Dual Pol Sector Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.0 – 2.3 GHz
Gain	14 ± 1 dBi typ
VSWR	1.7:1 typ, 2.2:1 max
-3 dB Azimuth Beam Width	90° typ
-5 dB Azimuth Beam Width	120° typ
Elevation Beam Width	14° typ
Polarization	Dual Linear Vertical & Horizontal
Cross Polarization	-15 dB typ
Side Lobes Level Elevation	-10 dB typ
F/B Ratio	-25 dB max
Port to Port Isolation	25 dB typ
Input Impedance	50 ohm
Input Power	6 W
Lightning Protection	DC Grounded

Mechanical

Dimensions	1100 x 210 x 67 mm max
Weight	3 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			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			66 kg
	Side Thrust			21 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.