

# MT050D25V0

4 – 5.5 GHz 25 dBi Directional Antenna

## Electrical

Regulatory Compliance	RoHS, CE
Frequency	4.0 – 5.5 GHz
Gain	25 dBi
VSWR	2:1 max
Beam Width	7.5° typ
Polarization	Linear Vertical
Cross Polarization	30 dB min
F/B Ration	25 dB
Impedance	50 Ω
Input Power	10 W
Lightning Protection	DC Grounded

## Mechanical

Dimensions	450 x 450 x 33 mm
Weight	3.0 Kg max
Interface	N-Type female
Radome	Plastic

## 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			IP67
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 Load Survival	Front Thrust			58.3 kg
	Side Thrust			3.9 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.