

MT-485002

5.15 – 5.875 GHz 23 dBi Directional Antenna

Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2(2001-2006) RoHS CE 0682
Frequency	5.15 - 5.875 GHz
Gain	23 dBi min
VSWR	1.7:1 max
3 dB Beam Width	9° typ
Polarization	Vertical or Horizontal
Side Lobes Level	ETSI EN 302 085 V1.1.2 (2001-02) Range 1,TS1-TS3
Cross Polarization	-28 dB max
F/B Ratio	- 32 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	305 x 305 x 25 mm max
Weight	1.2 kg max
Connector	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		
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			26.8 kg
	Side Thrust			2.2 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.

11 Hamelacha st. Afek Industrial Park, Rosh-Ha'Ayin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901