

MT-243009/N

865 – 870 MHz 13 dBi Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	865 – 870 MHz
Gain	13 dBi min
VSWR	1.4:1 max
3 dB Beam Width	37° typ
Polarization	Linear Vertical or Horizontal
Side Lobe Level	-15 dB
Cross Polarization	-20 dB max
F/B Ratio	-15 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions LxWxD	450 x 450 x 35 mm
Weight	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 to +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 68-2-1 Ka	500 h		
Ice and Snow				25 mm Radial
Wind Speed Survival Operation				220 Km/h 160 Km/h
Wind Load (Survival): Front Thrust				39.6 Kg
Side Thrust				4.3 Kg

* For outdoor installations that require mounting the antenna horizontally facing ground, please contact MTI representative for the dedicated P/N

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