

# MT-282001

1.35 – 1.85 GHz 6 dBi High Gain Omni Directional Antenna

## Electrical

Frequency	1.38 – 1.85 GHz
Gain	6 dBi min
Gain at 160°- 200 ° (deck), 340° - 20° (apex)	-15 dB min
Azimuth Ripple	2 dB peak to peak
Elevation BW	20° to 27 °
Polarization	Vertical
VSWR	1.5 typ, 2:1 max
Power Capability	200 Watts average CW
Input Impedance	50 Ω
Lightning Protection	DC Grounded

## Mechanical

Dimensions	
Height	24 " max
Diameter	5 " max
Weight	4.5 Kg
Connector	N Type Female
Mounting Flange	5" dia, 4.5" bolt circle, 4 mounting holes, 0.257" diameter

## Environmental

### Test

Temperature operating	-30° C to +65°C
Temperature storage	-50° C to +71°C
Salt Fog	Per MIL-STD-810, Method 509
Wind Load survival	200 Km/hr
Vibration	per MIL-STD-810, Method 514, Cat 9
Mechanical shock	MIL-STD-901 light weight
Rain	per MIL-STD-810, Method 506, Proc I
Icing survival	1 inch radial
Solar Radiation	1120 Watts/m sq

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