

**Model No: MMDS-MDS-10dBi (2.1-6.0 GHz)**

## Broadband Low Gain Flat Panel Antenna

### Feature

- 2100 – 6000 MHz Frequency Band
- Maximized 10 dBi gain for point to point systems
- E & H plane half power beamwidth of 22 degrees
- Cross Polarization Discrimination of 18 dB
- Front to back ratio rejection of 20 dB
- Vertical or Horizontal polarization mountable
- Easy installation save money and time
- Optional mounting brackets

### Overview

The Trackcom Systems International Inc. broadband 2.1-6.0 GHz Flat Panel Low Gain Antenna is a low cost antenna designed for use in high density RF environments. This antenna features a heavy-duty ABS material radome for all-weather operation. It can be mounted for horizontal or vertical polarization. The excellent radiation characteristics are the distinguishing features of this well priced antenna.



## Overall Specification

Parameter	Description
Frequency	2100 – 6000 MHz
Gain	> 10 dBi
Return Loss	2.1-3.8 GHz : 12dB min. and 4.9-5.9 GHz : 10 dB min.
Power Rating	10W
Elevation Beam width (HPBW)	22° to 25°
Azimuth Beam width (HPBW)	22° to 25°
Polarization	Horizontal/Vertical
Cross Polarization Discrimination (Both Plane)	>18dB over HPBW
Side lobe Level (Both Planes)	<-10dB between +/-18° to +/-25° <-12dB between +/-25° to +/-80° <-16dB between +/-80° to +/-90° <-20dB between +/-90° to +/-180°
Front to Back Ratio	>20dB at 180°
Impedance	50Ω nominal
Connector	N-Type-F or SMA-F
Dimensions	7.0 X 6.0 X 1.5 inches

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