

Model No: MMDS-MDS-16dBi (2.1-6.0 GHz)

Broadband High Gain Flat Panel Antenna

Feature

- **2100 – 6000 MHz Frequency Band**
- **Maximized 16 dBi gain for point to point and CPE systems**
- **E & H plane half power beamwidth of 18 degrees**
- **Cross Polarization Discrimination of 20 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 High Gain Antenna is a low cost antenna designed for use in medium 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	> 16 dBi
Return Loss	2.1-3.8 GHz : 14dB min. and 4.9-5.9 GHz : 10 dB min.
Power Rating	10W
Elevation Beam width (HPBW)	18° to 22°
Azimuth Beam width (HPBW)	18° to 22°
Polarization	Horizontal/Vertical
Cross Polarization Discrimination (Both Plane)	>20dB over HPBW
Side lobe Level (Both Planes)	<-10dB between +/-18° to +/-25° <-13dB between +/-25° to +/-80° <-18dB 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	10.0 X 8.0 X 1.5 inches

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