

Flat Mount Antenna

General Description

This is a small, inexpensive L- band antenna designed to operate with the satellite modems and trackers. It is optimized to operate under various data modes specifically SBD.



Specifications

Mechanical

Dimensions: 1.81" L x 1.71" W x 0.45" H
(4.60 cm x 4.34 cm x 1.14 cm)

Weight: 1.5 oz. without cable

Color: Lusterless Black

Connector: SMA Male with 36" Cable
(Option: TNC, MCX, MMCX or N)

Material: Hard Anodized Aluminum Base

Ground Plane: Requires horizontal, relatively flat, metallic mounting surface with minimum of 2" from all edges, centered for optimal performance

Environmental

Operating Temperature: -40°F to +185°F
(-40°C to +85°C)

Operating Altitude: 20,000 ft (6 km)

Vibration: > 30 G's

Electrical

Frequency: 1610.0 to 1626.5 MHz

Radiation Pattern: Hemispherical

Polarization: Right Hand Circular

VSWR: Less than 1.5 : 1

Gain Free Space (dB): 90° Zenith +5.0
10° Elevation -2.5
20° Elevation -0.5
30° Elevation +1.0
60° to 90° Elevation > +2.7

Axial Ratio: 2 dB

Impedance: 50 Ohms

Power Handling: 30 Watts

Cable: Less than 3dB