

Mast Mount Antenna Model SAF5350-B

General Description

Model SAF5350-B is a passive L-band antenna designed to operate with the NAL Research satellite modems and tracking modems. It provides continuous coverage from 1616 to 1626 MHz specifically for the Iridium network.



Specifications

Mechanical

Dimensions: 3.25" D x 7.3" H
(8.3 cm x 18.7 cm)
Weight: 6.3 oz. (181 g)
Finish: Weather Polymer White
Connector: TNC Female Connector
(Option: TNC or BNC)

Environmental

Operating Temperature: -40°F to +185°F
(-40°C to +85°C)
Operating Altitude: 20,000 ft (6 km)

Electrical

Frequency: 1616 to 1626 MHz
Radiation Pattern: Hemispherical
Polarization: Right Hand Circular
VSWR: Less than 2.0 : 1
Radiation Coverage: +0.04 dBic $\theta = 0^\circ$
+1.4 dBic $0^\circ < \theta < 45^\circ$
-0.25 dBic $75^\circ < \theta < 82^\circ$
Axial Ratio: 3 dB Max.
Impedance: 50 Ohms
Power Handling: 1 Watt
Cable loss between antenna and modem: Must be kept < 3dB

*All dimensions are in inches

