



SAF5350-A Mast Mount Iridium® Antenna

General Description



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

Specifications

Mechanical

Dimensions:	3.0" D x 6.18" H (7.6 cm x 15.7 cm)
Weight:	10.2 oz. (293 g)
Finish:	Weather Polymer White
Connector:	TNC Female Connector (Option: TNC, BNC or SMA)

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

Environmental

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