



SAF7352-IG Screw Mount Iridium® / GPS Antenna

General Description



Model SAF7352-IG is a small, inexpensive dual Iridium/GPS antenna designed to operate with the NAL Research's A3LA and 9601 satellite modems and trackers. It provides continuous coverage from 1610.0 to 1626.5 MHz specifically for the Iridium network and 1575.42 ± 13 MHz (L1) for the GPS.

Specifications

Mechanical

Dimensions:	2.74" L x 1.71" W x 0.45" H (6.96 cm x 4.34 cm x 1.14 cm)
Weight:	2.0 oz. without cable
Color:	Lusterless Black
Connector:	Iridium—SMA Male w/ 36" Cable GPS—SMA Male w/ 36" Cable (Option: SMA, TNC, TNC Bulkhead, N, N Bulkhead, MCX, MMCX or Longer Cables)
Material:	Aluminum Base
Ground Plane:	Requires horizontal, relatively flat, metallic mounting surface with minimum of 2" from all edges, centered for optimal performance

Electrical for Iridium Antenna

Frequency:	1610 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

Field-proven Handhelds Mountable Trackers & Satellite Modems



Electrical for GPS Antenna

Frequency:	1575.42±13 MHz (L1)
Power:	20mA at 5VDC

Environmental

Operating Temperature:	-40°F to +185°F (-40°C to +85°C)
Operating Altitude:	20,000 ft (6 km)
Vibration:	> 30 G's

