



SAF5340-B Magnetic Mount Iridium® Antenna

General Description



Model SAF5340-B is a low profile, passive L-band antenna designed to operate with the NAL Research satellite modems and trackers. It provides continuous coverage from 1610 to 1626.5 MHz specifically for the Iridium network. The SAF5340-B has a magnetic mounting for quick, convenient placement on or inside vehicles. It is impact, UV, chemical and jet fuel resistance.

Specifications

Mechanical

Diameter:	2.6" (6.60 cm)
Height:	1.0" (2.54 cm)
Weight:	5.15 oz. (146 g)
Finish:	Skydrol Resistant Polyurethane Enamel and Base Iridite Per MIL-C-5441
Color:	Gloss White #17925, Lusterless Gray #36320, Olive Drab Green #34031, Lusterless Black #37038
Connector:	SMA Female Connector (Option: TNC, N, N Bulkhead or Cable)
Material:	6061-T6 Aluminum Alloy Base Composite Radome

Electrical

Frequency:	1610 to 1626.5 MHz	
Radiation Pattern:	Hemispherical	
Polarization:	Right Hand Circular	
VSWR:	Less than 1.5 : 1	
Gain (dB):	4-Foot Ground Plane	Free Space
	90° Zenith +4.9	90° Zenith +4.4
	10° Elevation -1.0	10° Elevation -2.6
	20° Elevation +1.5	20° Elevation -1.0
	30° Elevation +2.4	30° Elevation +0.4
	45° Elevation +3.3	45° Elevation +2.5
	70° Elevation +4.7	70° Elevation +4.0
Axial Ratio:	2 dB	
Impedance:	50 Ohms	
Power Handling:	200 Watts	
Lightning Protection:	DC Grounded	
Cable loss between antenna and modem:	Must be kept 3dB	

Field-proven Handhelds Mountable Trackers & Satellite Modems



Environmental

Operating Temperature:	-67°F to +185°F (-55°C to +85°C)
Operating Altitude:	70,000 ft (21 km)
Vibration:	> 30 G's
Leakage:	Hermetically Seal

Designed To

FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810 and SAE J1455

