

SAF9700 Antenna

Applications

- Iridium Satellite Telephones
- Asset Tracking/Messaging
- Iridium Messaging Terminals
- Emergency Location
- Logistics Management
- Disaster Communications
- Research Buoys

Description

The SAF9700 antenna is a dielectric-loaded decafililar-helix antenna which uses distinctive material technology to provide the highest available efficiency in a small size. The dielectric core, together with the fly-wheeling effect of the advanced decafililar helical design, provides excellent beamwidth and low elevation gain, which is maintained in relatively cluttered use scenarios. The SAF9700 acts as its own filter, attenuating signals from common cellular and ISM frequencies by as much as 30dB.

Key Features

- Designed for installation with 10mm gap from antenna side to host PCB ground-plane
- Filters against interference from cellular and ISM bands
- Balanced design rejects common mode noise from ground plane
- SMA male connection to device PCB

Specifications

Frequency:	1621.0 MHz
Gain (RHCP):	2 dBic at zenith
Beamwidth:	>190°
Bandwidth:	60 MHz
Axial Ratio:	<1.5 at zenith
VSWR:	<2.0:1
Impedance:	50 Ohms
Operating Temperature:	-40°C - +85°C
Weight:	34g (1.19oz)

SAF9700

