



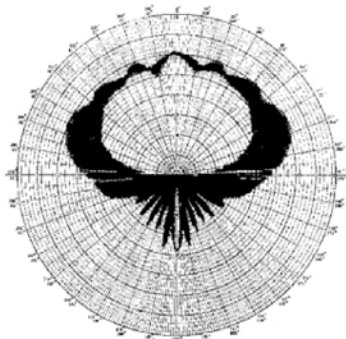
DESCRIPTION

S67-1575-409: TSO-approved Iridium antenna covers the Iridium frequency range of 1616 MHz to 1626.5 MHz for world-wide Iridium system operations. Supports FOI (FANS over Iridium) and ADS-B over Iridium. The S67-1575-409 is approved as Iridium Compatible Equipment (ICE).

The low-profile, molded radome material and design insures superior protection against lightning strikes, rain and ice. The rugged antenna is DC-grounded and hermetically sealed. Qualified for high-speed military aircraft as well as ARINC applications.

FEDERAL & MILITARY SPECS: TSO-C159a, DO-160D/E, DO-262A, MIL-DTL-5541, MIL-HDBK-5400, MIL-STD-810.

RADIATION PATTERN



1616.0 to 1626.5 MHz



SPECIFICATIONS	
MODEL	S67-1575-409
ELECTRICAL	
Frequency	1616.0 - 1626.5 MHz
VSWR	≤1.5:1
Polarization	RHCP
Impedance	50 ohms
Power Handling	60 watts CW
Gain	+2.0 dBic 0° ≤ θ ≤ 20° +0.5 dBic 20° ≤ θ ≤ 60° -1.0 dBic 60° ≤ θ ≤ 75° -2.5 dBic 75° ≤ θ ≤ 80° -4.5 dBic 80° ≤ θ ≤ 82°
Lightning Protection	DC grounded
MECHANICAL	
Weight	6 oz. (170 g)
Height	.66 in. (16.8 mm)
Diameter	3.50 in. (88.9 mm)
Material	6061-T6 aluminum / thermoset plastic
Finish	Skydrol-resistant Polyurethane Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Altitude	-100 ft. to 55,000 ft.
Vibration	10 G's

