



DESCRIPTION

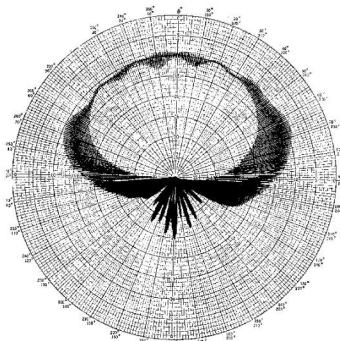
S67-1575-165: TSO-approved, dual-element Iridium antenna providing continuous coverage from 1565 MHz to 1626.5 MHz for excellent Iridium coverage as well as GPS L1 applications.

The dual-element design provides the capability to connect two Iridium devices, or an Iridium transceiver and GPS receiver to the antenna without using a splitter. The special molded radome provides superior protection against rain, ice and lightning strikes. Hermetically sealed and DC grounded.

The S67-1575-165 is approved as Iridium Compatible Equipment (ICE).

FEDERAL & MILITARY SPECS: DO-160C, FAA TSO-C129a, MIL-HDBK-5400, MIL-STD-810.

TYPICAL RADIATION PATTERN



1565 - 1626.5 MHz



SPECIFICATIONS	
MODEL	S67-1575-165
ELECTRICAL	
Frequency	1565.0 - 1626.5 MHz
VSWR	≤1.8:1
Polarization	RHCP
Impedance	50 Ohms
Power Handling	60 Watts
Gain	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° ≤ θ ≤ 80° -4.5 dBic 80° ≤ θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Lightning Protection	DC Grounded
MECHANICAL	
Weight	16.5 oz.
Height	.82 in.
Length	7.85 in.
Width	3.00 in.
Material	6061-T6 Aluminum/Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female (2)
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Altitude	55,000 ft.
Vibration	10 G's

