



DESCRIPTION

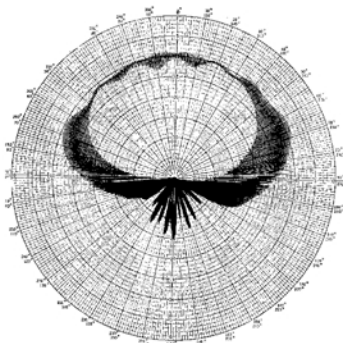
S67-1575-165: Iridium/GPS antenna covers the frequency range from 1565 to 1626.5 Mhz for Iridium as well as GPS L1 applications. The dual-element design allows the antenna to be connected to two Iridium devices or an Iridium transceiver and a GPS L1 receiver to the antenna without using a splitter. The low-profile molded radomes special material and construction provides superior protection against rain, ice and lightning strikes. Hermetically sealed and DC-grounded for long service life.

The unit is qualified for all airframes, including high-speed military aircraft.

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

FEDERAL & MILITARY SPECS: TSO-C129a, DO-160C, MIL-E-5400, MIL-STD-810, MIL-DTL-5541.

TYPICAL RADIATION PATTERN

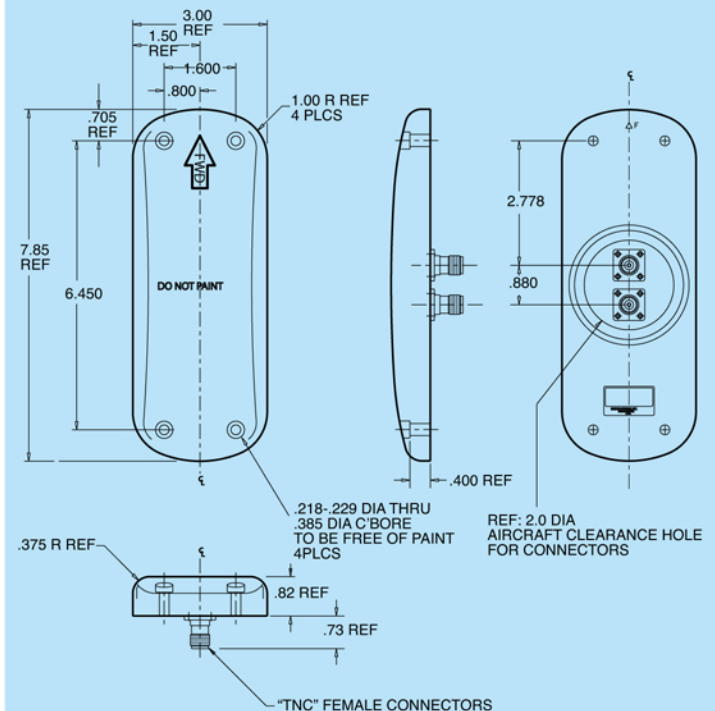


1565 - 1626.5 MHz



SPECIFICATIONS	FOR REFERENCE ONLY
MODEL	S67-1575-165
ELECTRICAL	
Frequency	1565 - 1626.5 MHz
VSWR	2.0:1
Polarization	RHCP
Impedance	50 ohms
Power Handling	60 watts
Gain	+3 dBi
Lightning Protection	DC grounded
MECHANICAL	
Weight	16.5 oz.
Height	.82 in.
Length	7.85 in.
Width	3.0 in.
Material	6061-T6 aluminum
Finish	Skydrol-resistant enamel
Connectors	TNC Female (2)
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Vibration	10 Gs
Altitude	55,000 ft

OUTLINE DRAWING



S67-1575-165

ISO 9001:2000 and EN/JISQ/AS9100:2004 Registered