



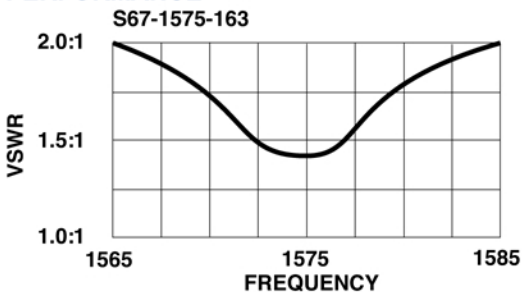
DESCRIPTION

S67-1575-163: Low-profile Iridium/GPS dual-element antenna provides continuous Tx/Rx Iridium frequency band coverage from 1610 to 1626.5 MHz. The GPS L1 port features a 33 dB LNA with special filtering.

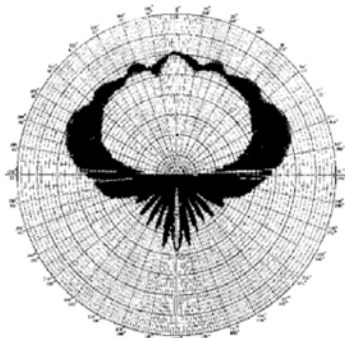
The S67-1575-163 is approved as Iridium Compatible Equipment (ICE).

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

PERFORMANCE



RADIATION PATTERN

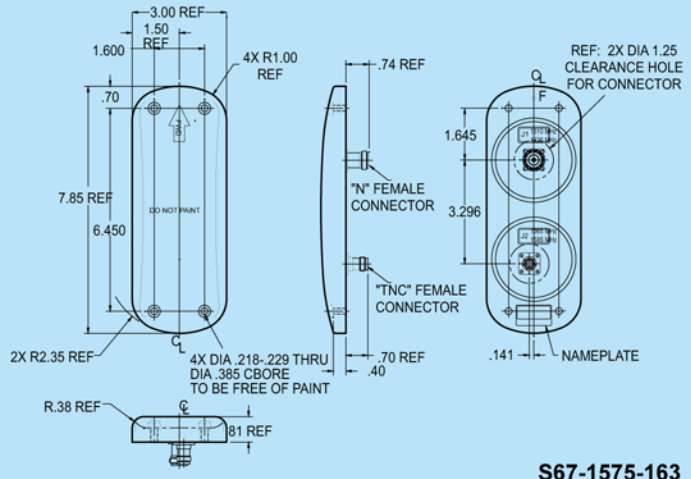


1565 - 1626.5 MHz



SPECIFICATIONS	FOR REFERENCE ONLY
MODEL	S67-1575-163
ELECTRICAL	
Frequency	J1 :Tx/Rx 1610.0 - 1626.5 MHz J2: Rx 1565.0 - 1585.0 MHz
VSWR	J1: < 1.5:1 J2: < 2.0:1
Polarization	RHCP
Impedance	50 Ohms
Power Handling	J1: 60 Watts CW J2: 1 Watt
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
Gain (Preamplifier)	33.0 ±3 dB
Voltage	+4 TO +24 VDC
Lightning Protection	J1 & J2: DC Grounded
MECHANICAL	
Weight	13 oz.
Height	.812 in.
Length	7.85 in.
Width	3.00 in.
Material	6061-T6 aluminum
Finish	Skydrol-resistant enamel
Connectors	J1: Type "N" Female J2: Type "TNC" Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) TO +85°C (+185°F)
Vibration	10 Gs
Altitude	-100 to 55,000 ft

OUTLINE DRAWING



S67-1575-163

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