



DESCRIPTION

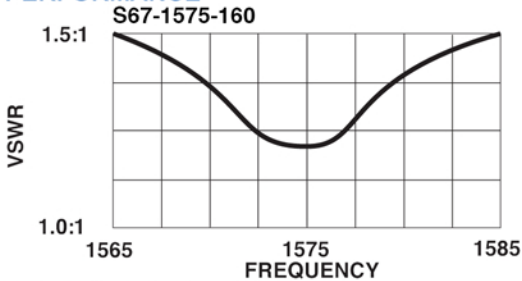
S67-1575-160: Low-profile, dual-band antenna features a GPS WAAS LPV antenna element and 29.5 dB amplifier combined with a passive Iridium element. The dual element design simplifies installation when GPS WAAS LPV receivers are required and Iridium voice and data are also utilized.

The advanced radome design and material provides superior protection against lightning, rain and ice. The unit is DC-grounded and hermetically sealed.

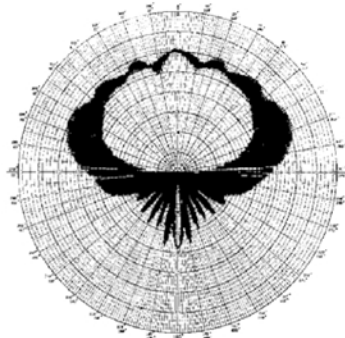
The S67-1575-160 is approved as Iridium Compatible Equipment (ICE) and is TSO C190 certified.

FEDERAL & MILITARY SPECS: DO-160E, DO-301, MIL-E-5400, MIL-STD-810. TSO C190.

PERFORMANCE



RADIATION PATTERN

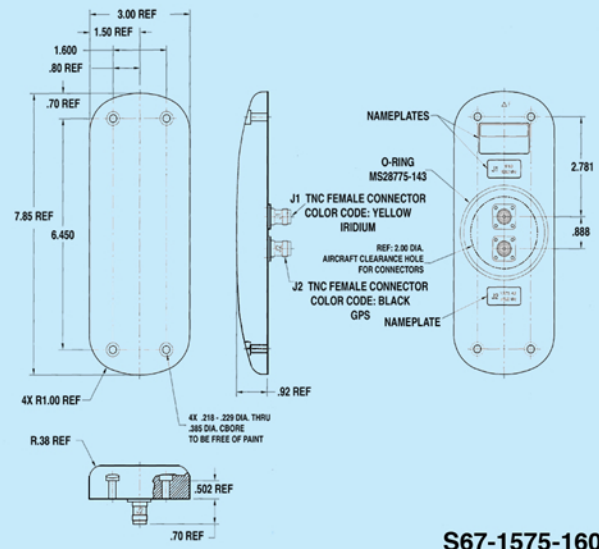


1565 - 1585 MHz



SPECIFICATIONS		FOR REFERENCE ONLY
MODEL	S67-1575-160	
ELECTRICAL		
Frequency	J1 :Tx/Rx 1618.0 - 1626.5 MHz J2: Rx 1565.0 - 1585.0 MHz	
VSWR	J1: < 1.5:1 J2: < 1.5:1	
Polarization	RHCP	
Impedance	50 Ohms	
Power Handling	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 (Pre-amplifier)	29.5 ±3 dB	
Voltage	+4 TO +24 VDC	
Lightning Protection	J1 & J2: DC Grounded	
MECHANICAL		
Weight	17 oz.	
Height	.92 in.	
Length	7.86 in.	
Width	3.00 in.	
Material	6061-T6 aluminum	
Finish	Skydrol-resistant enamel	
Connectors	J1: TNC Female J2: TNC Female	
ENVIRONMENTAL		
Temperature	-55°C (-67°F) TO +85°C (+185°F)	
Vibration	10 G's	
Altitude	-100 to 55,000 ft	

OUTLINE DRAWING



S67-1575-160

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