

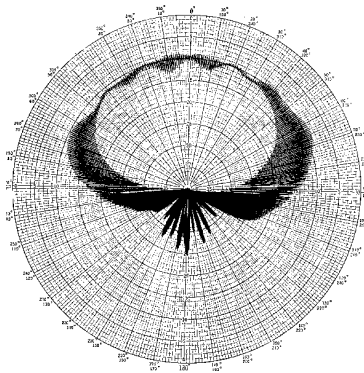
Globalstar / GPS S67-1575-174



DESCRIPTION

S67-1575-174: Designed for use with Qualcomm's medium data rate aviation satcom system. The low profile design incorporates one down link and two up link antennas as well as an internal active GPS antenna. The low profile, lightweight design allows for installation on virtually any class of aircraft. Provides voice, data and video capability.

FEDERAL & MILITARY SPECS: D0-160C, AMS-C-5541, MIL-E-5400, MIL-STD-810, TSO C129a.



TYPICAL RADIATION PATTERN

1565 - 1626.5 MHz
2483.5 - 2500 MHz

SPECIFICATIONS

GLOBALSTAR/GPS S67-1575-174

ELECTRICAL

	GPS		GLOBALSTAR	
	J3	J2	J1	J4
Frequency (MHz)	1575.42 ±2	2483.5- 2500.0	1610.0- 1626.5	
Power	100 mW	1 W	10 W	
VSWR	2.0:1			
Polarization	RHCP	LHCP	LHCP	
Impedance	50 ohms			
Gain Max	3 dBic			
Gain (Preamplifier)	26 ± 3 dB	27.5 dB ± 2.5 dB	Passive	
Supply Voltage	+3.3 to +28 VDC @ 40 mA MAX			
Actual Ratio	3.0dB (@ Zenith)			
Lightning Protection ...	DC grounded			

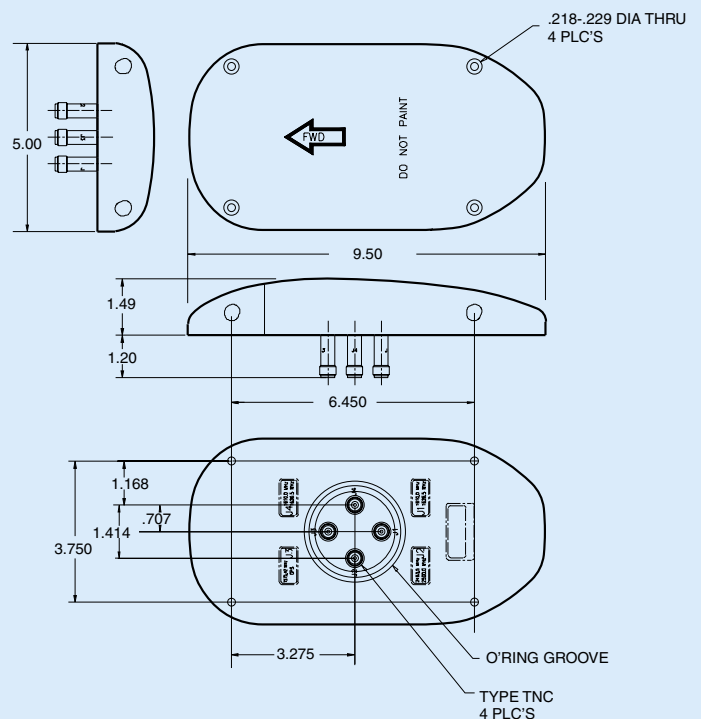
MECHANICAL

Weight	2.4lbs
Height	1.49 in.
Length	9.50 in.
Width	5.00 in.
Material	6061-T6 aluminum
Finish	Skydrol resistant enamel
Connectors	TNC Female

ENVIRONMENTAL

Temperature	-67°F to +185°F
Vibration	10 G's
Altitude	55,000 FT

OUTLINE DRAWING



S67-1575-174