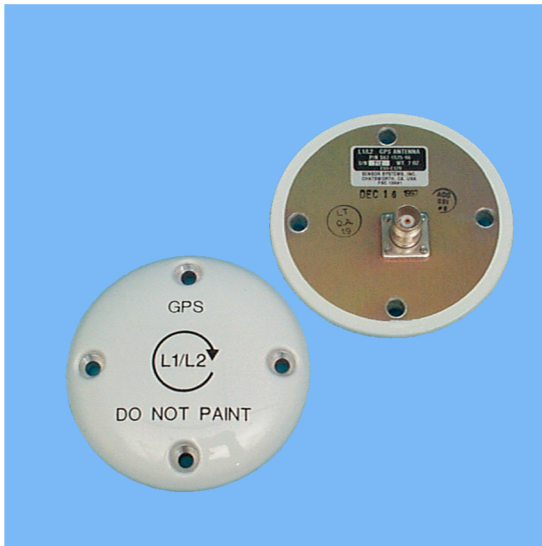


L1/L2 GPS Antenna S67-1575-76



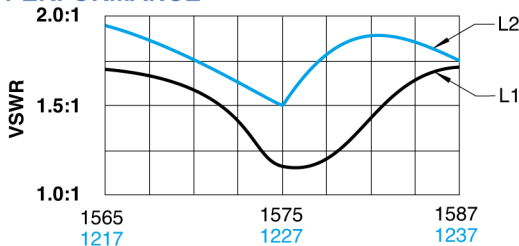
DESCRIPTION

S67-1575-76: Dual-band L1/L2 active GPS antenna provides low-noise coverage at 1227.6 MHz and 1575.42 MHz with a VSWR of 2.0:1. 13 dB gain LNA. Requires +4 to +24 VDC. The amplifier is integrated under the radome. Additional filtering provides significant out-of-band rejection and reduced possibility of saturation by non-GPS signals. DC bias is provided through the coax connector.

FEDERAL AND MILITARY SPECS: DO-160C, MIL-C-5541, MIL-E-5400, MIL-STD-810-810, TSO-C129

NSN: 5985-01-497-0143 (black)
 5985-01-609-3743 (white)
 5985-01-458-1780 (green)

PERFORMANCE



SPECIFICATIONS		
MODEL	S67-1575-76	
ELECTRICAL		
Frequency	1565 to 1585 MHz	1217 to 1237 MHz
VSWR	≤ 2.0:1	
Polarization	RHCP	
Axial Ratio	≤ 3.0 dB (@ Zenith)	
Impedance	50 ohms	
Gain (Antenna)	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic 0 = 90° (@ Horizon)	
Gain (Preamplifier)	13.0 ± 3 dB	
Supply Voltage	+4 to +24 VDC @ 65 mA MAX	
Power Handling	1 Watt	
Lightning Protection	DC Grounded	
MECHANICAL		
Weight	7 oz.	
Height	0.70 in.	
Diameter	3.5 in.	
Material	6061 T6 Aluminum Alloy / Thermoset Plastic	
Finish	Skydrol Resistant Enamel	
Connector	TNC Female	
ENVIRONMENTAL		
Temperature	-62°C (-80°F) to +95°C (+203°F)	
Altitude	70,000 ft.	

