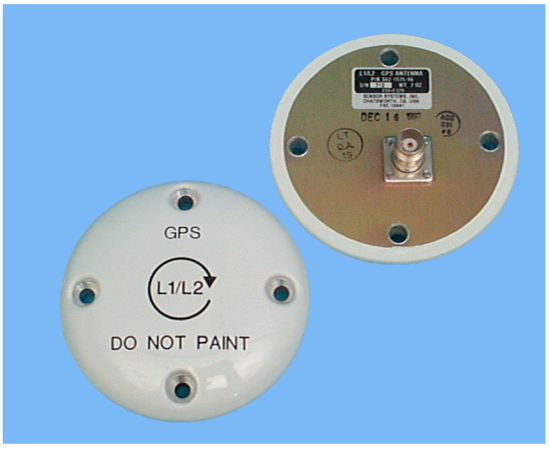
GPS S67-1575-96



DESCRIPTION

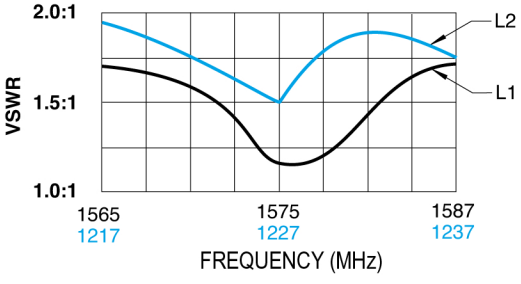
S67-1575-96: Dual-band L1/L2 active GPS antenna provides low-noise coverage at 1227.6 MHz and 1575.42 MHz with a VSWR of 2.0:1. 40 dB gain LNA. Requires +4 to +24 VDC. The amplifier is integrated under the radome. Additional filtering provides significant out-of-band rejection and reduced possibility of saturation by non-GPS signals. DC bias is provided through the coax connector.

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

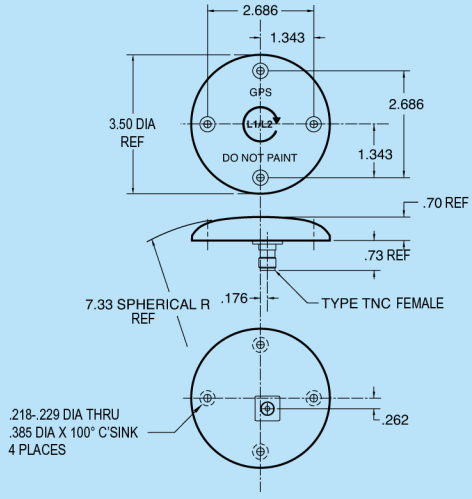
NSN: 5985-01-448-5878
5985-01-603-4384 (green)

SPECIFICATIONS	
MODEL	S67-1575-96
ELECTRICAL	
Frequency	1565-1585 MHz (L1), 1217-1237 MHz (L2)
VSWR	≤ 2.0:1
Polarization	RHCP
Impedance	50 ohms
Axial Ratio	≤3 dBic @ Zenith
Antenna 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 (Preamp)	40 dB ± 4
Power Handling	1 watt
Voltage	+4 to +24 VDC @ 75 mA Max
Lightning Protection	DC grounded
MECHANICAL	
Weight	7 oz.
Height	.70 in.
Diameter	3.50 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.

PERFORMANCE



S67-1575-96



Note: For Reference Only.
Contact Sensor Systems for the latest engineering drawings.
Doc # DS S67-1575-96_E: MRKT [JC] ENG [RC] QC [DJ]

Sensor Systems® Inc.

Sensor Systems, Inc. 8929 Fullbright Ave., Chatsworth, CA 91311 Ph: 818-341-5366 Fax: 818-341-9059
Email: info@SensorAntennas.com www.SensorAntennas.com