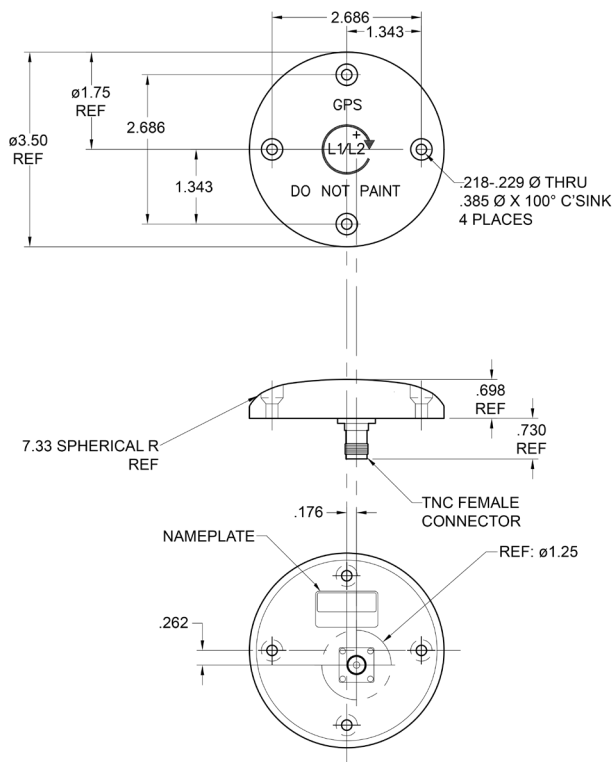


# L1/L2 Active GPS S67-1575-86



Please Note: For REFERENCE ONLY  
Contact Sensor Systems for latest drawing

## Description

This 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 and 26.5 dB gain LNA. The antenna requires +4 to +24 VDC.

The **S67-1575-86's** 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 via the coax connector.

## Federal & Military Certifications:

FAA TSO C129, DO-160C, MIL-HDBK-5400, MIL-STD-461A and MIL-STD-810 C/D.

## Specifications

### Electrical

Frequency	L1: 1565 to 1858 MHz L2: 1217 to 1237 MHz
VSWR	≤2.0:1
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)	26.5 ±3 dB
Polarization	RCHP
Impedance	50 Ω
Power	1 Watt
Supply Voltage	+4 to +24 VDC @ 65 mA Max.
Axial Ratio	≤3.0 dB @ Zenith
Out of Band Rejection	> 6 dB @ 1177 MHz >10 dB @ 1277 MHz >20 dB @ 1525 MHz >25 dB @ 1625 MHz

### Mechanical

Weight	7 oz.
Height	.70 in.
Diameter	3.50 in.
Material	6061-T6 Aluminum Alloy / Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female

### Environmental

Temperature (Operating)	-62°C (-80°F) to +95°C (+203°F)
Altitude	70,000 ft.

### Accessories

Conductive Gasket	S67-200229
Mounting Screws	MS24693C275



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Website: [www.sensorantennas.com](http://www.sensorantennas.com)

Phone: 818-341-5366