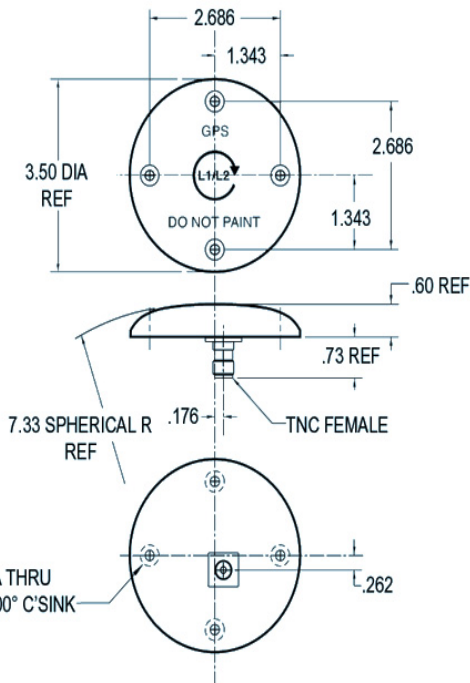


GPS L1/L2 Antenna S67-1575-14



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

Description

S67-1575-14: Dual-band L1/L2 passive GPS antenna with a VSWR of 2.0:1. Spherical radius molded radome provides enhanced protection against rain, ice and lightning strikes. Qualified for high speed military aircraft and dual frequency surveying applications. Qualified per Rockwell Collins specification 013-1922 for use with the MAGR systems.

NSN: 5985-01-390-1486 (white)

NSN: 5985-01-441-6663(gray)

NSN: 5985-01-450-7308 (green)

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

Specifications

Electrical

Frequency	1565-1585 MHz (L1) 1217-1237 MHz (L2)
VSWR	≤ 2.0:1
Polarization	RHCP
Impedance	50 Ω
Axial Ratio	≤ 3.0 dB @ 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
Power Handling	1 Watt

Mechanical

Weight	6 oz.
Height	.60 in.
Diameter	3.50 in.
Material	6061-T6 Aluminum / Thermoset Plastic
Finish	Skydrol Resistant Enamel
Connector	TNC Female

Environmental

Temperature	-54°C (-65°F) to +110°C (+230°F)
Altitude	-1,500 ft. to 70,000 ft.



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Website: www.sensorantennas.com

Phone: 818-341-5366