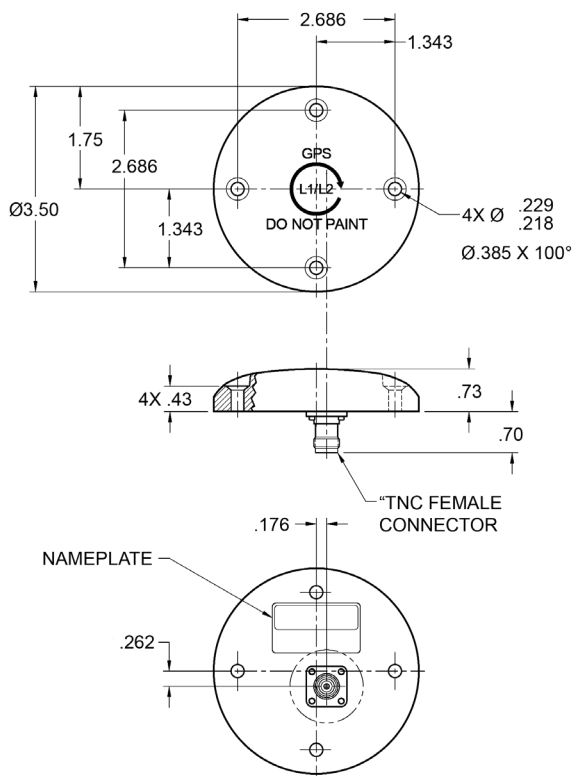


L1/L2 Active GPS FRPA/M-Code **S67-1575-886** Preliminary



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

Description

This dual-band L1/L2 active GPS antenna with a VSWR of 2.0:1. The spherical radius molded radome provides enhanced protection against rain, ice and lightning strikes.

The **S67-1575-886** dual-band GPS is capable of receiving the M-code.

Federal & Military Certifications:

MIL-HDBK-5400.

Specifications

Electrical

Frequency	L1: 1575±12 MHz L2: 1227±12 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)

Mechanical

Weight	TBD
Height	14.20 in.
Length	12.55 in.
Width	4.50 in.
Material	6061-T6 Aluminum / Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female

Environmental

Temperature (Operating)	-55°C (-67°F) to +71°C (+160°F)
Altitude	70,000 ft.

Accessories

Conductive Gasket	S67-200229
Mounting Screws	MS24693C275



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