

GPS L1/Iridium Antenna S67-1575-163



Description

S67-1575-163: Low-profile Iridium/GPS dual-band antenna provides continuous Tx/Rx Iridium frequency band coverage from 1610 to 1626.5 MHz. The GPS L1 port features a 33 dB LNA with special filtering. The S67-1575-163 is approved as Iridium Compatible Equipment (ICE).

FEDERAL & MILITARY SPECS: DO-160, TSO-C129a, MIL-HDBK-5400, MIL-STD-810.

Specifications

Electrical

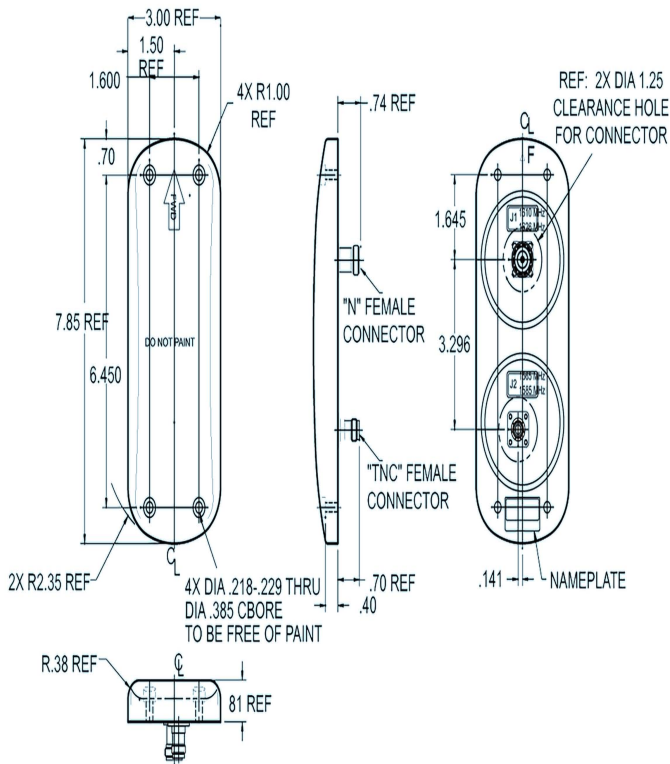
Frequency	Tx/Rx (J1): 1616.0-1626.6 MHz Tx/Rx (J2): 1565.0-1585.0 MHz
VSWR	J1: $\leq 1.5:1$ J2: $\leq 2.0:1$
Polarization	RCHP
Impedance	50 Ω
Power Handling	J1: 60 Watts CW J2: 1 Watt
Gain	-1.0 dBic $0^\circ \leq \theta \leq 75^\circ$ -1.0 dBic $0^\circ \leq \theta \leq 75^\circ$ -1.0 dBic $0^\circ \leq \theta \leq 75^\circ$ -1.0 dBic $0^\circ \leq \theta \leq 75^\circ$
Gain (PreAmp)	33.0 \pm 3 dB
Voltage	+4 to + 24VDC @ 45 mA

Mechanical

Weight	13 oz.
Height	.812 in.
Length	7.85 in.
Width	3.00 in.
Material	6061-T6 Aluminum / Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	J1: N Female J2: TNC Female

Environmental

Temperature (Operating)	-55°C (-67°F) to +85°C (+185°F)
Altitude	-100 to 55,000 ft.



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



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