

WAAS GPS / XM RADIO S67-1575-161



Description

S67-1575-161: Active, low-profile GPS WAAS LPV antenna combined with an XM radio antenna for aviation weather data and cabin entertainment systems. Integrated 29.5 dB amplifiers are DC grounded.

Advanced radome design and material offers enhanced protection against lightning, rain and ice.

FEDERAL & MILITARY SPECS: FAA TSO C190, DO-160C, DO-160E, DO-301, MIL-HDBK-5400 and MIL-STD-810D.

Specifications

Electrical

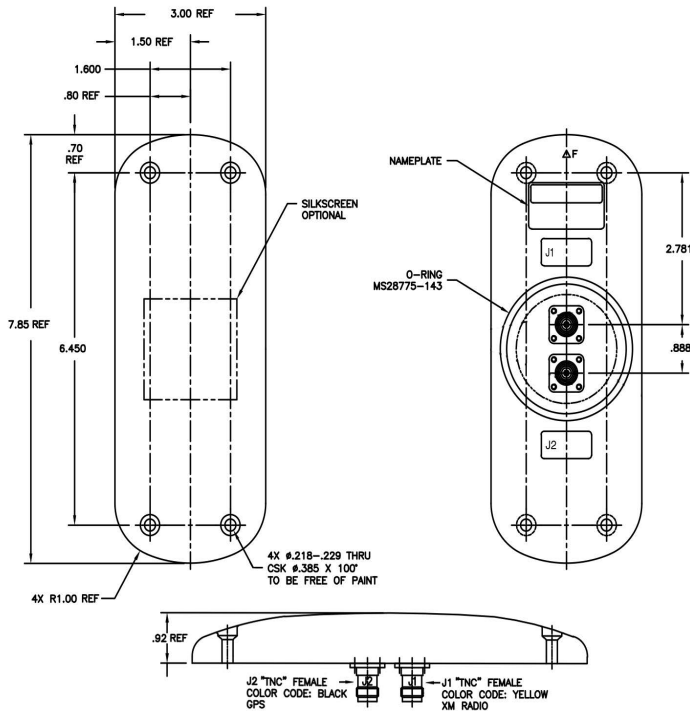
Frequency	XM Radio (J1): 2339 ±7 MHz GPS (J2): 1575.42 ±10.23 MHz
VSWR	XM Radio (J1): ≤2.0:1 GPS (J2): ≤1.5:1
Gain	-1.0 dBic 0° ≤ Ø ≤75° -2.5 dBic 75° ≤ Ø ≤80° -4.5 dBic 80° ≤ Ø ≤ 85° -7.5 dBic Ø = 90° @ Horizon
Gain (Preamplifier)	J1 & J2: 29.5 ±3 dB
Polarization	XM Radio (J1): LHCP GPS (J2): RHCP
Impedance	J1 & J2: 50 Ω
Power	XM Radio (J1): 100 mWatts (+20 dBm) GPS (J2): 1 Watt (+3 dBm for 5 Minutes)
Supply Voltage	XM Radio (J1): +3.3 to +28 VDC @ 45 mA Max. GPS (J2): +4 to +24 VDC @ 60 mA Max.
Axial Ratio	J1 & J2: ≤ 3.0 dB (@ Zenith)

Mechanical

Weight	16 oz. Max.
Height	.92 in.
Length	7.85 in.
Width	3.00 in.
Material	6061-T6 Aluminum Alloy / Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	J1 & 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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Website: www.sensorantennas.com

Phone: 818-341-5366