Satcom S67-1575-160 GPS WAAS LPV / Iridium

DESCRIPTION

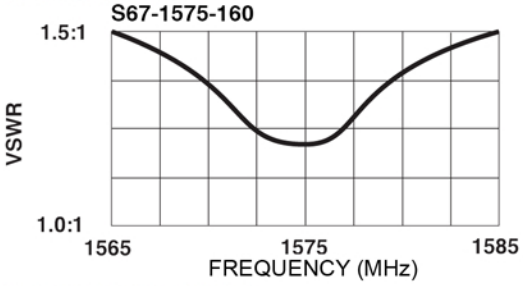
S67-1575-160: Low-profile, dual-band antenna features a GPS WAAS LPV antenna element and a 29.5 dB amplifier combined with a passive Iridium element. The dual element design simplifies installation when GPS WAAS LPV receivers are required and Iridium voice and data are also utilized.
The advanced radome design and material provides superior protection against lightning, rain and ice. The unit is DC-grounded and hermetically sealed.

The S67-1575-160 is approved as Iridium Compatible Equipment (ICE) and is TSO C190 certified.

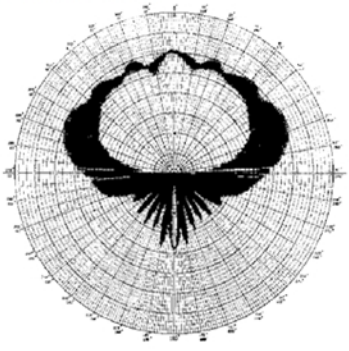
Iridium CERTIFIED

FEDERAL & MILITARY SPECS: FAA TSO-C190, C144, C129a &C159a, DO-160, DO-301, DO-262a, MIL-HDBK-5400, MIL-STD-810.

PERFORMANCE



RADIATION PATTERN

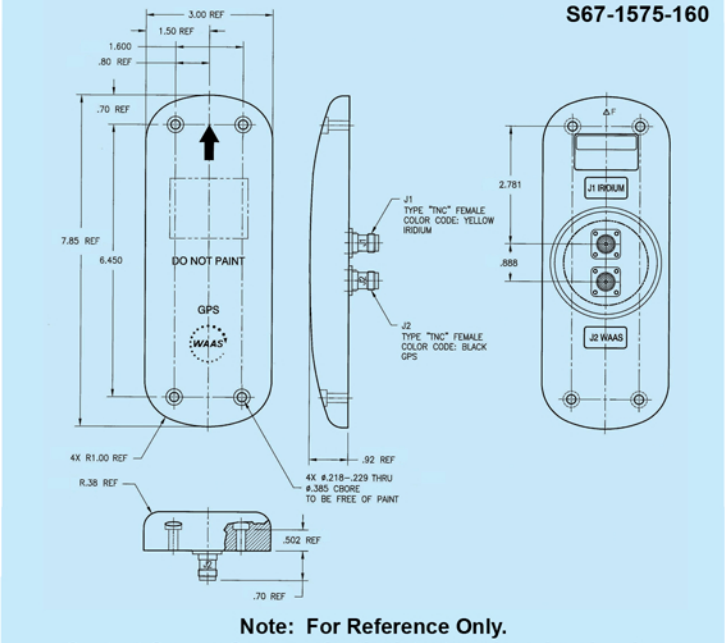


1565 - 1585 MHz

Sensor Systems Inc. Aircraft Antennas Since 1961

SPECIFICATIONS	
MODEL	**S67-1575-160**
ELECTRICAL	
Frequency	J1: 1616.0 - 1626.5 MHz J2: 1575.42 ± 10.23 MHz
VSWR	J1, J2: ≤ 1.5.1
Polarization	RHCP
Impedance	50 Ohms
Power Handling	J1: 6 Watts J2: 1 Watt (+30 dBm for 5 mins)
Gain (J1)	+2.0 dBic 0° ≤ θ ≤ 20° +0.5 dBic 20° < θ ≤ 60° -1.0 dBic 60° < θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 82°
Gain (J2)	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Gain (Preamplifier)	29.5 ±3 dB
Supply Voltage	+4 to +24 VDC @ 60 mA MAX
Lightning Protection	DC Grounded
MECHANICAL	
Weight	18 oz.
Height	.92 in.
Length	7.85 in.
Width	3.00 in.
Material	6061-T6 Aluminum Alloy / Thermoset Plastic
Finish	Skydrol-Resistant Polyurethane Enamel
Connectors	TNC Female (2)
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Vibration	10 G's
Altitude	-100 to 55,000 ft

New Product: May not conform to standard lead times.



Note: For Reference Only.
Contact Sensor Systems for the latest engineering drawings.

Doc # DS S67-1575-160_A, 052114: MRKT MDV ENG RC QC DJ

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