



SENSOR ANTENNA GPS S67-1575-174



Globalstar Sensor Antenna (S67-1575-174) designed for use with Qualcomm's Medium data rate aviation satcom system. The low profile design incorporates one down link and two up link antennas as well as an internal active GPS antenna.

The low profile, lightweight design allows for installation on virtually any class of aircraft. Provides voice, data and video capability.

The antenna is designed to: DO-160C, AMS-C-5541, MIL-E-5400, MIL-STD-810, TSO C129a

Specifications:

ELECTRICAL

GPS Frequency:

J3: 1575.42 MHz \pm 2

Globalstar Frequency:

J2: 2483.5 - 2500 MHz

J1 & J4: 1610.0 - 1626.5 MHz

GPS Power:

J3: 100mW

Globalstar Power:

J2: 1W

J1 & J4: 10W

VSWR: J3, J2, J1 & J4: 2.0:1

GPS Polarization:

J3: RHCP

Globalstar Polarization:

J2, J1 & J4: LHCP

Impedance:

J3, J2, J1 & J4: 50 ohms

Gain (Preamplifier):

J3: 26 \pm 3 dB

J2: 27.5 dB \pm 2.5 dB

J1 & J4: Passive

Supply Voltage:

J3, J2, J1 & J4: +3.3 to +28 VDC

@ 40 mA MAX

Actual Ratio:

J3, J2, J1 & J4: 3.0 dB (@ Zenith)

Lightning Protection: DC grounded

MECHANICAL

Weight: 2.40 lb.

Height: 1.49 in.

Length: 9.50 in.

Width: 5.00 in.

Material: 6061-T6 aluminum

Finish: Skydrol resistant enamel

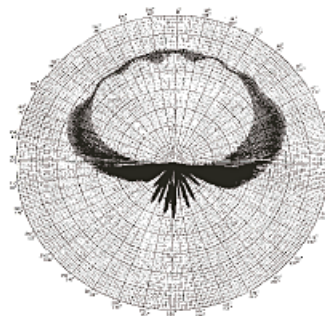
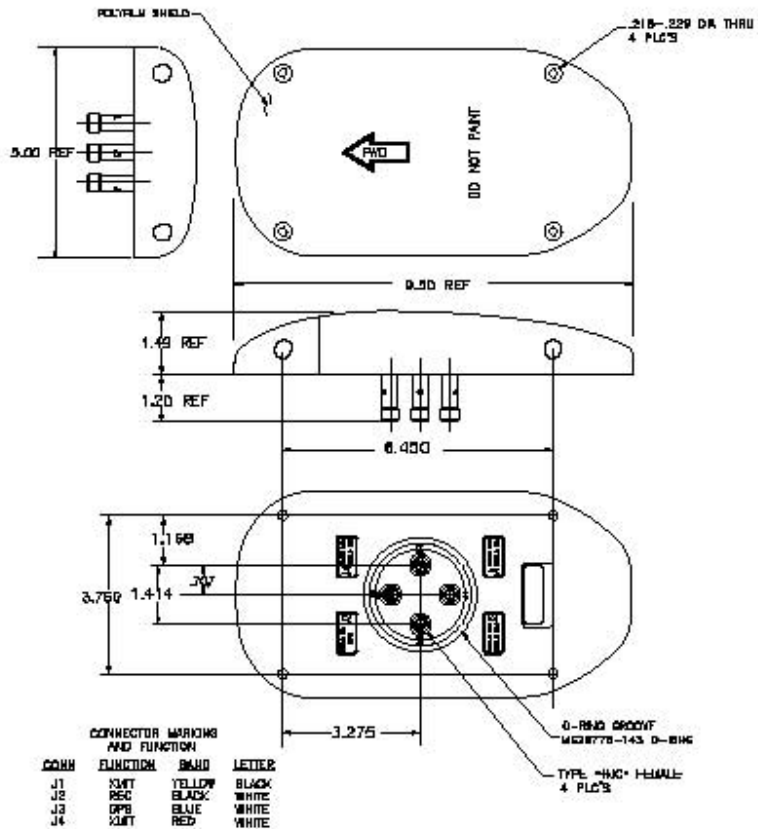
Connectors: TNC Female

ENVIRONMENTAL

Temperature: -67°F to +185°F

Vibration: 10 G's

Attitude: 55,000 ft



TYPICAL RADIATION PATTERN

1565 - 1626.5 MHz
2483.5 - 2500 MHz

For further information:
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