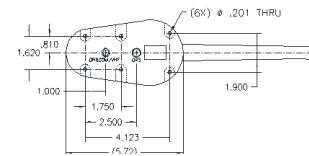
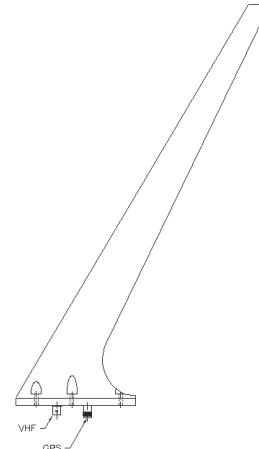
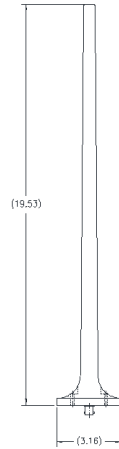


VG10-784

VHF/GPS Antenna



Excellence in Aerospace since 1943



Specifications

Electrical

Frequency	GPS: 1575.42 ± 10 MHz VHF: 118-137 MHz
VSWR	2.0:1 (GPS) 2.5:1 (VHF)
Polarization	GPS: RHCP VHF: Vertical
Radiation Pattern	GPS: Hemispherical VHF: Omnidirectional
Impedance	50 Ohms
Power	GPS: 1 Watt Max VHF: 50 Watts
Gain	GPS: 32 ± 3 dB

Mechanical

Weight	1.6 lbs max (0.73 kg)
Height	19.53 in (496.1 mm)
Material	Fiberglass
Finish	White Polyurethane
Connector	TNC (GPS) BNC (VHF)

Environmental

Speed Rating	450 Knots
Temperature	-55 °C to +70 °C
Vibration	4.12 g _{RMS}
Shock	6 g _{PK}

Federal Specifications

Approvals	None
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VG10-784 VHF/GPS Antenna

The VG10-784 is a dual-purpose antenna that offers a single solution for VHF communications and GPS requirements. The integrated GPS pre-amplifier yields a low-noise figure and 26.5-dB minimum gain, with 50-dB rejection at the SATCOM frequency of 1626.5 MHz. An internal filtering system prevents VHF interference to the GPS.

Applications

Constructed of fiberglass and having its internal components foamed in place, this antenna is designed to withstand a wide range of flight conditions. DC grounding provides additional protection against potential damage from a lightning strike.