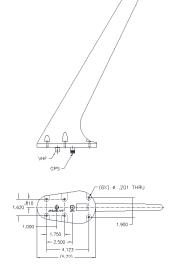
# VG10-784 VHF/GPS Antenna



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## **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 GPS: 32 ± 3 dB Gain

# 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.

#### 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 <sub>RMS</sub>
Shock	6 g <sub>РК</sub>

# Federal Specifications

Approvals	None

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