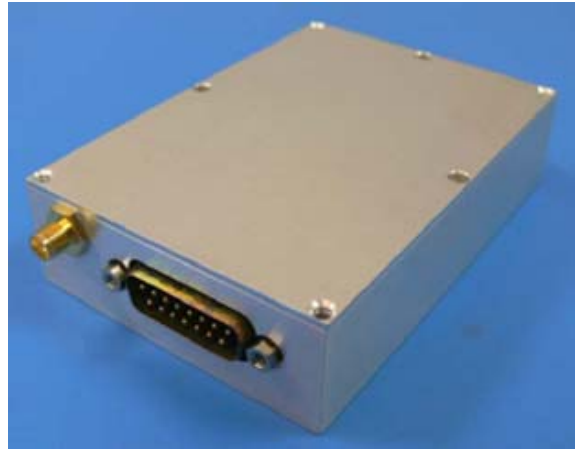


**GPS-12-V1**  
**GPS Receiver**



**General Specifications:**

<b>Channels:</b>	12
<b>Tracking Sensitivity:</b>	-135 dBm
<b>RF Input Level:</b>	-80 to -105 dBm
<b>Timing Signal:</b>	1 pps Telemetry Output
<b>Time Accuracy:</b>	±20 nanoseconds
<b>Data Rate:</b>	20 Hz
<b>Time Accuracy:</b>	20 nsec RMS
<b>Position Accuracy</b>	10 meters
<b>Velocity Accuracy:</b>	0.03 m/sec RMS
<b>Time to First Fix:</b>	Cold Start      60 seconds Warm Start     45 seconds Hot Start        35 seconds
<b>Outputs:</b>	Altitude, Position and Velocity in Orbit
<b>Communications:</b>	Binary signal up to 19.2 Kbps TTL Level, or RS-422/485 Interface Board, or RS-232 Interface Board
<b>Size:</b>	100 mm x 70 mm x 25 mm
<b>Mass:</b>	<200 grams
<b>Supply Voltage:</b>	8 to 40 Volts
<b>Current:</b>	50 ma @ 25 Volts
<b>Power Consumption:</b>	~1 Watt
<b>Operating Temperature:</b>	-40°C to +85°C
<b>Storage Temperature:</b>	-45°C to +95°C

Specifications are subject to change without notice.