Space Vector produces a rugged GPS Receiver package suitable for launch vehicles, spacecraft, UAVs and other applications encountering severe environmental conditions.

- Provides real-time S-Band downlink of GPS at 20 Hz sample rate
- Maintains track even under high dynamic missile environments
- Modular design facilitates changing of components
- Open architecture allows for rapid addition of new capabilities
- RF isolation in each module prevents any leakage from corrupting other processor/com/power subsystems
- Range qualified

**Specifications:**

- **Weight:** 5.5 lbs
- **Dimensions (inches):** 5.0 W x 3.0 H x 7.3 L
- **Operating Voltage Range:** 24 - 32 VDC
- **Allowable Frequencies:** GPS L1 (1575 MHz +/-10 MHz)
- **Dynamic Operational Capabilities (as spec’d):**
  - Accelerations up to 16 g
  - Jerk up to 38.5 g/s for a duration of 200 ms or less.
GPS Tracking Receiver
P/N 38501

Environments:
Operating Temperature: -35°C to +71°C
Shock: 580 g’s from 1400-10,000 Hz
Random Vibration: 36.8 grms from 20-2000 Hz
Sinusoidal Vibration: Various profiles tested up to 16 g’s
EMI/EMC: RCC 324-01

Optional Features:
• SAASM or HDMA Receiver
• Enhanced PVT Rate Processing Available
• RS-422/485 or MIL-STD-1553 Avionics Interface
• GlobalStar, TDRSS or other Satcom Interface
• Serial or RF Modulated Telemetry Outputs
• On-board or Remote Power Switching
• Encryption Available
• Integration into complete Autonomous Flight Termination System (AFTS)