

## SERIES 6500

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### FEATURES:

- Channels: 12
- Position accuracy: 25M CEP
- Velocity accuracy: 0.1M/s
- Reacquisition time: 0.1 sec average
- Hot start time: 8 sec average
- Warm start time: 38 sec average
- Cold start time: 48 sec average
- Protocols: NMEA-0183 V2.2, SiRF
- DC Voltage: 5.0V +/- 0.25V
- DC Current: 180mA typical
- Backup voltage: +2.5V to 4.5V
- Backup current: 10uA typical
- Temperature: -40 to 85 celcius
- Physical: 72 x 42 x 12mm



### Simplex 6500 - GPS Antenna

- Frequency: 1.575 GHz +/- 3MHz VSWR: < 2.0
- Bandwidth: > 10MHz
- Amplifier gain: 27dB typical
- Noise figure: 1.5dB typical
- DC Voltage: 5.0V +/- 0.25V
- DC Current: < 16mA
- Temperature: -40 to 85 celcius
- Humidity: 95 - 100% RH
- Physical: 50 x 50 x 17mm, < 110 grams
- Connector: SMA
- Cable: 5M RG174

