

Mil-Spec GPS Disciplined Frequency Standard for Harsh Environments



FireFly-II GPS Disciplined Oscillator

- Mil-Spec, Ruggedized, COTS
- Low-g Oscillator ($\ll 5 \times 10^{-10}/g$)
- Holdover Drift: $< 8 \mu s$ in 24 hours
- Small Size: 1.5" x 3" x 0.8"
- Low Power Consumption $< 3.5W$
- Meets DoD timing requirements
- LVDS and CMOS 10MHz Outputs
- 24Hour Stability to $< 5 \times 10^{-12}$
- UTC 1PPS with $< 150ns$ rms error

FEATURES & APPLICATIONS

- 10MHz/1PPS Reference for Airborne, Vehicle, and Man-Pack Timing Synchronization
- Ruggedized Rubidium-Standard Replacement
- Usable as high-performance GPS Navigation Receiver (-160dBm tracking sensitivity)
- GPS receiver is immune to interference from other radio transmissions
- Extended temp range, low-g sensitivity Oscillator applications for harsh environments
- In-vehicle applications requiring only a +12V supply, and a GPS antenna to operate
- Holdover drift resistant even with motion, vibration, tilt, and thermal excursions
- Uses standard RS-232 communication interfaces such as NMEA and SCPI-99

OTHER PRODUCTS

- Commercial version FireFly-I as low as \$299 at 1K pcs.
- Fury Ultra High Performance GPSDO as low as \$960

*** Designed and Made In The U.S.A. ***

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