



Jackson Labs Technologies, Inc.
1-818-292-8087
media@jackson-labs.com

FOR IMMEDIATE RELEASE

Jackson Labs Technologies, Inc. delivers tiny GPSDO Frequency Reference with built-in Distribution Amplifier

“FireFly-IIA” is a Rubidium Frequency Reference replacement with built-in Distribution Amplifier with special support for Airborne applications



CAMPBELL, Calif., May 5, 2009 – Jackson Labs Technologies, Inc, a designer and manufacturer of cutting-edge test & measurement equipment, today announced the availability of its breakthrough product FireFly-IIA 10MHz Frequency Reference. FireFly-IIA is an extremely small Global Positioning System Disciplined Oscillator (GPSDO) that has a built-in Distribution Amplifier, and a high-performance GPS receiver. FireFly-IIA is backwards form, fit, and function compatible to the FireFly-II GPSDO, and offers higher performance, and additional functionality in the same footprint. The FireFly-IIA as a bonus provides special support for airborne applications by providing avionics systems with a 3D-Velocity Vector, Attitude (Q3/09), Speed, Heading, Height (both MSL and GPS Height), Position, Time, Date, Frequency, Time-Stamping, and Health information.

At only 1.5 x 3.0 Inches small, FireFly-IIA provides Stratum-1 long-term performance of better than 5 parts per Trillion (5E-012) averaged over 24 hours at less than ½ the size of the smallest competitive products. FireFly-IIA has a built-in 3-port distribution amplifier with +13dBm Sine Wave outputs and isolation of typ. better than 80dB at 3GHz, and 90dB at 10MHz.



FireFly-IIA provides an OCXO-sourced 1PPS LVDS output that is phase synchronized to better than 50ns rms to UTC (typ. <10ns rms), a high-accuracy LVDS 10MHz Output, as well as three independent 10MHz Sine-Wave outputs. The unit can be monitored and controlled by an RS-232 port via standard SCPI Commands, and is capable of generating NMEA-0183 output sentences for easy integration into existing infrastructure. FireFly-IIA has a phase noise floor below – 155dBc/Hz, superior spurious suppression, and very low jitter (<400fs rms) at a power consumption of <4W typically. FireFly-IIA is also available with a Ruggedized, extended temp-range, low-g Oscillator option for demanding military applications. FireFly-IIA provides a direct redundancy feature allowing multiple units to be daisy-chained to each other for increased reliability.

Jackson Labs Technologies, Inc. President Said Jackson noted that the FireFly-IIA is an especially good fit for communications applications: “FireFly-IIA’s built-in 10MHz distribution amplifier allows it to directly drive up to 5 external devices with a 10MHz signal without the need for an external splitter or distribution amplifier. FireFly-IIA’s high holdover performance and excellent frequency accuracy and our proven track record that includes certification for demanding applications such as ARSTRAT, JCREW, and various UAV programs open up a host of application such as Satcom, Base-stations, and un-manned airborne applications.”

About Jackson Labs Technologies, Inc.:

Located in Campbell, CA, Jackson Labs Technologies, Inc. is a privately held company that is setting new standards in timing and frequency generation for the engineering, test & measurement, broadcast, defense, and research markets. Jackson Labs Technologies, Inc.: The Next Generation of Timing & Frequency. To learn more, visit www.jackson-labs.com.