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GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

GREENRAY'S NEW MINIATURE TCXOs OFFER TIGHT STABILITY THROUGH 800MHz

June 2006 – Mechanicsburg, PA – Greenray Industries, Inc. has announced the availability of a new family of miniature, high performance TCXOs.

Model T1177 and T1185 TCXOs combine precision crystal technology, proprietary temperature compensation techniques and low jitter frequency multiplication to achieve tight stabilities at frequencies up through 800MHz. By employing low noise, digitally programmed analog compensation, which is calibrated using a proprietary temperature test system, the new TCXOs achieve the best frequency vs. temperature specs available in a miniature TCXO at these frequencies.

Outstanding stability is achieved by using a small yet precise AT strip crystal, which gives extremely smooth and repeatable frequency performance over temperature. In addition, the rugged crystals can withstand high levels of shock and vibration while exhibiting low g-sensitivity.

Model T1177 is available from 100MHz to 800MHz, offers LVDS or PECL output, and the total integrated jitter over the frequency range of 10kHz to 20MHz is less than 3pSec RMS at an output of 800MHz. Model T1185, a lower noise design that can be ordered up to 320MHz, offers PECL, LVDS or CMOS output and the total jitter is less than 1pSec RMS at 300MHz (10kHz to 20MHz bandwidth).

The surface mount cases for both units measure 0.36" x 0.56" x 0.3" and match industry standard pinouts for 9 x 14mm oscillators.

Greenray Industries is a leading supplier of high precision, quartz-based oscillators for use in wireless, wired telephony, aerospace, military, satellite, and other communications applications. Information regarding the T1177 and T1185 TCXOs and all Greenray products is available at www.greenrayindustries.com or via email at sales@greenrayindustries.com.

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