



GREENRAY INDUSTRIES, INC.

PRECISION QUARTZ TECHNOLOGY

FOR IMMEDIATE RELEASE

GREENRAY'S YH1518 SERIES OCXO OFFERS EXCELLENT PHASE NOISE PERFORMANCE IN A MINIATURE PACKAGE

Q1, 2008 – Mechanicsburg, PA – Greenray Industries has announced the availability of the YH1518 Series OCXO.

Greenray has combined precision crystal technology with a low noise oscillator and multiplier to develop a new family of miniature, Ovenized Crystal Oscillators capable of delivering excellent phase noise performance up through 250MHz.

The YH1518 Series design utilizes a precision SC-cut crystal to help achieve low noise performance. SC-cut crystals provide a High Q to reduce the noise close to the carrier - yet are able to withstand the high drive levels necessary for a low noise floor. The oscillator circuit drives a low noise frequency multiplier to increase the frequency up to 250MHz. A thermally enhanced internal assembly enables the use of a small, 1.06 in. x 1.42 in. x 0.5 in. hermetic package. Supply voltage is +12Vdc and typical Temperature Stability is ± 0.07 ppm over -40°C to $+70^{\circ}\text{C}$. A Sinewave output of +3dBm min. (+6dBm typical) is provided.

The YH1518 can be ordered at any frequency between 110MHz and 250MHz. The YH1518 is designed for applications that include frequency translation, LO sources and clocking of high speed data converters and gate arrays.

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 YH1518 Series OCXO and all Greenray products is available at www.greenrayindustries.com or via email at sales@greenrayindustries.com.

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