

Ecliptek Press Release

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Comprehensive Offering Key to Ecliptek MEMS Programmable Clock Oscillators First Year Success

Ecliptek Corporation, a leading supplier of frequency products, is pleased to announce the one year anniversary of the [EMO family](#) of programmable MEMS clock oscillators, marking the successful launch of full scale production and the assembly of over one million MEMS oscillator devices.

May 14th, 2008

Costa Mesa, CA - Ecliptek's programmable MEMS clock oscillators provide component engineers with a vast range of readily available solutions necessary to meet the dynamic requirements of today's global timing market. Widespread feedback from the industry has been extremely positive.

"Two critical parameters on any oscillator design are package size and supply voltage," said Robert Zarrow, Vice President of Sales, "Ecliptek ships samples of any frequency within the published range of 1MHz to 125MHz, in any available package or voltage, within two days, utilizing innovative MEMS resonator design and programming methods."

Available package sizes include 5mm x 7mm, 3.2mm x 5mm, 2.5mm x 3.2mm, and 2.0 x 2.5mm in supply voltages of 3.3V, 2.5V, or 1.8V. Ecliptek currently delivers production quantities up to 10,000 pieces in 2 weeks or less at pricing below the longer lead time fixed frequency quartz oscillator products.

The EMO family are silicon oscillator products where the CMOS output frequency is primarily controlled by an internal MEMS (micro-electro-mechanical system) resonator. At the heart of EMO oscillators is a vibrating MEMS mechanical resonator 100 times smaller than its consumer grade quartz competitor which allows ultra-miniature packaging without sacrificing performance.

The [EMO family](#) of oscillators use QFN-type plastic injection molded packaging, resulting in outstanding thermal performance, high reliability and minimal lead inductance. In comparison, quartz crystal oscillators require more expensive, special purpose ceramic or metal packages.

"Ecliptek is very pleased with the rapid acceptance by our customers of this innovative technology as a viable timing solution", said Robert Zarrow. "Our intent is to offer designers a cost effective means for increased functionality

without confining their MEMS oscillator options to limited frequencies in a single package.”

Another key ingredient to Ecliptek’s growth is the outstanding support from authorized distribution partners. “Ecliptek has taken a leading role introducing programmable MEMS oscillator products to the industry,” said Michael Calabria, Vice President of Marketing for Passives, Electromechanical and Connector Products at Arrow Electronics, Inc. “Combined with their best-in-class service levels and logistic support, Ecliptek’s ability to incorporate this innovative technology has been a great success at Arrow.”

Arrow and Ecliptek combined last year on an integrated marketing program for the EMO family of products that resulted in the NEDA 2007 Platinum Achievement Award for Channel Marketing.

The engineering community is tasked with specifying smaller components while actively reducing cost and lead time. Ecliptek’s EMO product family provides all of these advantages to designers, along with improved performance and reliability, paving the way for future generations of programmable MEMS clock oscillators.

If you would like to request samples or learn more about the [EMO family](#), please access our industry leading website, www.ecliptek.com, or contact any one of our [authorized distributors](#).

About Ecliptek

Founded in 1987, Ecliptek is a leading supplier of innovative frequency control products to the electronics industry. Headquartered in Costa Mesa, CA, Ecliptek provides complete engineering support, and unparalleled customer service to OEM customers and distributors worldwide. For additional information on company operations, please visit www.ecliptek.com.