



Ecliptek Press Release

For further information please contact marketing@ecliptek.com

Ecliptek Offers Industry's Smallest MEMS Spread Spectrum Oscillators (2.0mm x 2.5mm) Combined With Exceptional Savings

Ecliptek Corporation, a leading supplier of frequency control products for over 20 years, introduces its new EMS4 series of MEMS based spread spectrum programmable clock oscillators. These silicon resonator based oscillator devices greatly reduce cost and lead time as compared to similar quartz based oscillator products.

December 3, 2008

Costa Mesa, CA - Ecliptek Corporation announces the expansion of their EMS MEMS spread spectrum low EMI output surface mount oscillator, the [EMS4 series](#).

The EMS4, in a miniature 2.0mm x 2.5mm package, reduces EMI at the clock source instead of locations later down the clock stream, potentially eliminating the use of supplemental shielding enclosures and/or filtering components. This greatly reduces system costs and improves overall EMI performance. Applications for the EMS series include set-top boxes, medical equipment, scanners, printers, LCD displays, and communications equipment.

Standard specifications for the EMS4 series include a frequency range of 1MHz to 175MHz; 1.8V, 2.5V or 3.3V supply voltage; ± 50 ppm or ± 100 ppm frequency stability; LVCMOS single ended output; programmable spread percentages of $\pm 0.25\%$, $\pm 0.50\%$ and $\pm 1.00\%$ center spread and -0.5% , -1.0% , -2.0% down spread; spread spectrum enable/disable function; and tri-state or power down options for a high impedance output.

Using a proprietary ASIC and state-of-the-art programming techniques, Ecliptek is able to program and deliver EMS4 series products in as little as 7 days ARO. Prices start at \$ 2.71 EA in 1000 piece quantities on tape and reel. If you would like additional information regarding the technical aspects of the EMS series of MEMS spread spectrum oscillators, please visit Ecliptek's comprehensive [Frequently Asked Questions](#) section of our website.

In order to request samples or to learn more about Ecliptek Corporation, 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 highly regarded 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.

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