



Micro Oscillator, Inc. Releases a High Temperature All Silicon CMOS I.C. Clock Oscillator that will replace Ceramic Resonators used for Automotive Engine Applications.

Micro Oscillator, Inc. is a semiconductor company releasing a product to the automotive market. The product is an all-silicon CMOS I.C. clock oscillator that is superior to ceramic resonators in high shock and temperature environments. Additionally, no external components are needed. The release is relevant for the automotive, semiconductor and electronic components industries.

([PRWEB](#)) December 3, 2003 -- Bala Cynwyd, PA (PRWEB) December 3, 2003 -- Micro Oscillator, Inc., an innovative provider of all silicon CMOS I.C. clock oscillators, today announced the release of its new high temperature (+150 deg C) version of the MOI-2000 clock oscillator.

The MOI-2000 clock oscillator is a CMOS integrated circuit that provides the frequency accuracy of ceramic resonators in microcontroller based systems while operating in harsh environments. The MOI-2000 is very durable, reliable and starts up fast at the correct frequency every time. Unlike ceramic resonators or crystal oscillators that rely on mechanical vibration for frequency generation, the MOI-2000 generates its frequency electronically with no mechanical vibration.

The MOI-2000 is available for 5V or 3.3V in the frequency range from 2MHz to 12MHz. The patented oscillator can operate at +/- 1.0% total frequency accuracy over an automotive temperature range of -40 deg C to 150 deg C at shock and vibration of up to 80,000g's. Total tolerance is inclusive of initial frequency tolerance, tolerance over temperature and voltage, and long-term tolerance.

The MOI-2000 is a proven product that is used on board F/A-18 fighters and inside military smart-bombs; Micro Oscillator, Inc. breakthrough technology is also available to licensees for direct IC integration as a total replacement for conventional multiple component-based solutions.

Production samples of the MOI-2000 are available now in SOP-8 and MSOP-8 I.C. packages.

About Micro Oscillator, Inc.

Micro Oscillator, Inc. is revolutionizing the way microcontrollers are clocked with its all silicon CMOS I.C. clock oscillators. The Micro Oscillator is a CMOS integrated circuit using patented temperature and voltage compensation technology. The Micro Oscillator can achieve precise frequency accuracy over the temperature and voltage range without using ceramic resonators, quartz crystals or other external components for frequency determination. For more information, please visit www.micro-oscillator.com.

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