



## News Release

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For immediate release

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## TRAK Microwave Releases Superior Low Phase Noise Oscillator

TRAK Microwave, a Smiths Interconnect business, announced today a product release notice for Model OSC049, Multiplied Crystal Base Source.

This oscillator utilizes a 5<sup>th</sup> overtone SC cut crystal within a low-profile package that maintains excellent frequency stability of  $\pm 1$  ppm max ( $\pm 0.5$  ppm typical) over  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  at 400 MHz output. The device offers low-g sensitivity of  $3 \times 10^{-10}$  /g; a noise floor of -156dBc/Hz; and SSB phase noise performance of:

- 116 dBc/Hz at 100 Hz
- 145 dBc/Hz at 1 kHz
- 150 dBc/Hz at 10 kHz
- 154 dBc/Hz at 100kHz
- 155 dBc/Hz at 1 MHz

This model is ideal for Electronic Warfare, C4ISR as well as Radar applications. For more information on this product, please visit <http://www.trak.com/Files/Products/3osc049.pdf>.

For more information on TRAK's products, contact:

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**TRAK Microwave**, an ISO 9001 & AS9100 registered company, designs and manufactures a diverse range of RF and microwave integrated assemblies, subsystems, components and time & frequency systems for defense, space and commercial applications worldwide. For more information on TRAK Microwave, visit our web site at [www.trak.com](http://www.trak.com).

### About Smiths Interconnect

Smiths Interconnect [www.smithsinterconnect.com](http://www.smithsinterconnect.com) is a leading provider of specialized electronic and radio frequency products for the wireless telecommunications, aerospace, defense, and medical markets. It is part of Smiths Group [www.smiths.com](http://www.smiths.com), a global leader in applying advanced technologies for markets in threat and contraband detection, energy, medical devices, communications and engineered components. Smiths Group employs around 22,000 people in more than 50 countries.