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FOR IMMEDIATE RELEASE

## EMULATION TECHNOLOGY'S NEW OSCILLATOR PRODUCT LINE

*Substitute your fixed frequency crystal oscillator with a variable oscillator or signal generator in the same PCB footprint!*

**SANTA CLARA, Calif, April 4, 2006**—Emulation Technology (ET), the world leader in adapters, clips and test accessories, has expanded its line of IC and system development products with its new line of oscillator products. The product line includes an SMA-DIP converter, SMB-DIP converter and two variable oscillators covering two different frequency ranges. This product line is meant to provide a simple to use clock reference to help designers develop, test and debug their systems.

### Application

Engineers working in CDR/PLL development, computers, networking, telecommunications and other areas where a clock source is required will find ET's oscillator product line indispensable in easing system development. Reference clocks are typically used in digital systems. However, the system designer is usually relegated to using a fixed frequency crystal oscillator. In the case where the correct crystal oscillator is not readily available, or when trying to fine tune the reference to find the optimal operating point, or simply when debugging the system and removing the crystal oscillator as a potential noise source, ET offers crystal oscillator substitutes in the standard half-can DIP footprint. The AB004DIP.3SMA1 and AB004DIP.3SMB1 allow a signal generator with SMA or SMB outputs to connect directly to the DIP footprint in place of the crystal oscillator. These products are ideal for lab environments where a clean signal generator can be used to develop and debug the system. ET also offers the VROSDIP4.301030 (1 to 30MHz) and VROSDIP4.320165 (20 to 165MHz) variable oscillators in half-can DIP footprints, both of which can also be used in place of a standard crystal oscillator for system development, testing or debug.

### Features and Benefits

- Provides a variable oscillator in a standard half-can DIP footprint.
- Converts signal generator's SMA or SMB output to a half-can DIP footprint.
- Wide frequency, power supply and operating temperature ranges.
- High-quality SMA, SMB and DIP pins ensure excellent signal quality.
- Allows fine tuning of optimal reference frequency during development.
- Eliminates the need for specifying the oscillator during development.
- Allows tuning of different reference frequencies during test/characterization.
- Allows removal of potential noise from the crystal oscillator during debug.
- Simple oscillator frequency adjustment through a potentiometer.
- Ideal for lab environments.
- Data sheets available at: [www.emulation.com/174](http://www.emulation.com/174)
- Speeds project time to completion and lowers development costs.
- Typical delivery from stock to four weeks.

## Pricing & Availability

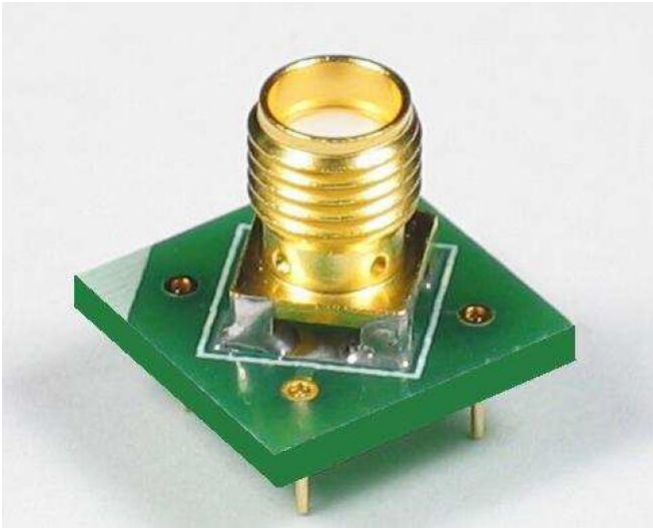
Pricing for ET's oscillator products is as listed below with stock to four week delivery. Please view our website to order online at [www.emulation.com](http://www.emulation.com), or contact ET Technical Sales at 1-800-232-7827 or [sales@emulation.com](mailto:sales@emulation.com).

Model	Description	Price (USD)
AB004DIP.3SMA1	SMA-DIP converter	\$48.15
AB004DIP.3SMB1	SMB-DIP converter	\$48.15
VROSDIP4.301030	1 to 30MHz variable oscillator w/ tri-state HCMOS output	\$139.10
VROSDIP4.320165	20 to 165MHz variable oscillator w/ tri-state HCMOS output	\$139.10
TOOL-POT-ADJ	Variable oscillator adjustment tool	\$5.25

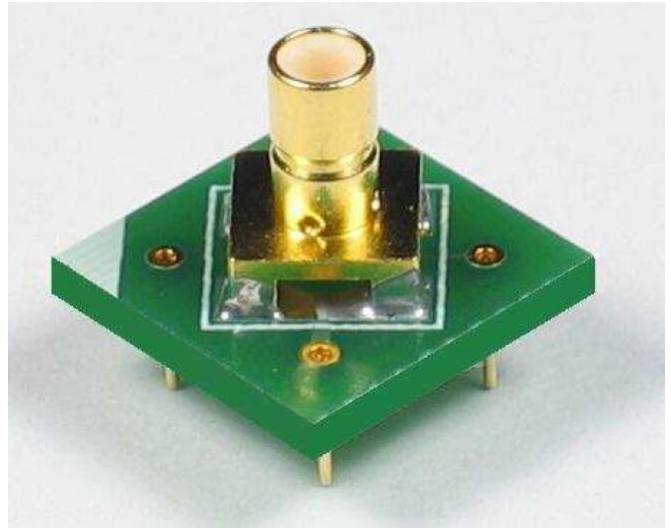
## EMULATION TECHNOLOGY

ET is celebrating its 23<sup>rd</sup> year of providing quality interconnect solutions for design and development engineers. The company's experience helping engineers create quality products and reducing costs associated with design, development, and time to market has made it the leader in this industry. Emulation Technology has more than 50,000 customers and operations in 23 countries worldwide. The company is privately held and is headquartered at 2344 Walsh Avenue, Bldg. F, Santa Clara, California 95051.

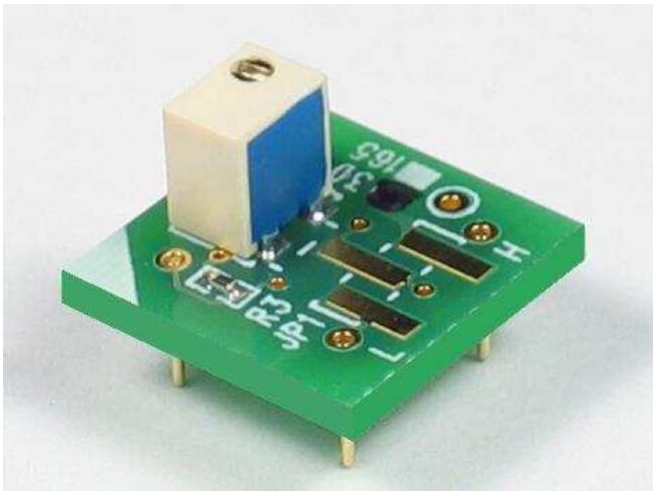
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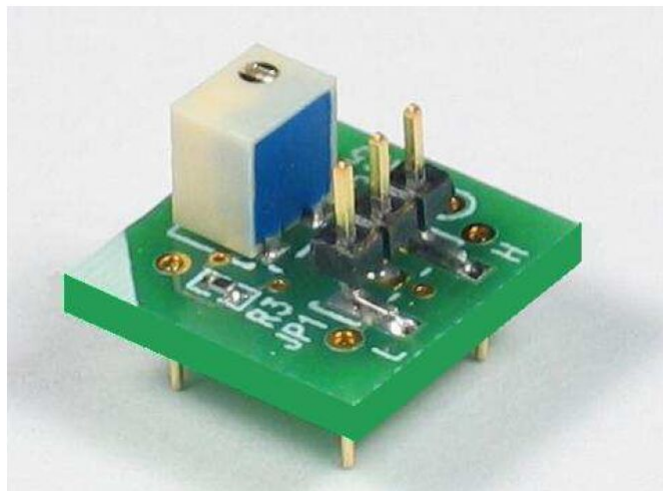
AB004DIP.3SMA1



AB004DIP.3SMB1



VROSDIP4.301030



VROSDIP4.320165