

Touchstone Semiconductor Introduces First Amplifier for Ultra-Low Power Applications New 0.8V/0.6µA Rail-to-Rail Operational Amplifier Cuts Power in Half

MILPITAS, CA - March 15, 2011 – Touchstone Semiconductor, Inc., a developer of high-performance analog integrated circuit solutions, today announced the TS1001 single-supply operational amplifier, the first and only single-supply operational amplifier to cut power requirements at least in half compared to any other amplifier.

The TS001 is fully specified to operate on a 0.8V supply while consuming less than 0.6uA supply current, This is Touchstone Semiconductor's first amplifier product in its "NanoWatt Analog™" high-performance analog integrated circuits portfolio.

The TS1001 is designed for applications that require very low supply current and low operating supply voltage to extend operating time. It requires less power than conventional low-power or micro-power single-supply operational amplifiers. These applications include: nanopower active filters, wireless remote sensors, battery and powerline current sensors, portable gas monitors and handheld/portable point-of-sale (POS) terminals.

Key Specifications:

- Single 0.65V to 2.5V Operation
- Supply current: 0.6µA (typ)
- Offset voltage: 0.5mV (typ)
- AVOL Driving 100kΩ Load: 90dB (min)
- Unity Gain Stable
- Rail-to-rail Input and Output
- No output phase reversal

The TS1001 is fully specified over the -40°C to +85°C industrial temperature range and is offered in a space-saving 5-pin SC70 package. TS1001 prices start at \$0.75 each in 1000-piece quantities.

About Touchstone

Touchstone Semiconductor Inc. creates high-performance Analog IC solutions that solve critical problems for electronics companies. Touchstone's second-source products are pin-compatible, specification identical solutions, offering customers a long-awaited alternative source for hard to get sole-sourced products. Touchstone's proprietary products provide unique combinations of features and performance that cannot be found from any other supplier. Founded in 2010, Touchstone is headquartered in Milpitas, Calif. Its investors include Opus Capital and Khosla Ventures. For more information, visit <http://www.touchstonesemi.com>

Editors Note: Photos and datasheet are available at <http://www.touchstonesemi.com/amplifiers>

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