

## Touchstone Semiconductor Introduces the New TS3001, a 1µA, Accurate, Easy to Use Timer IC

### Simple to Program with Just One Resistor

**MILPITAS, Calif. – April 17, 2012** – Touchstone Semiconductor, a developer of high-performance analog integrated circuit solutions, today announced its newest high accuracy, low power timer: the TS3001. The TS3001, like its predecessor product, the TS3002, uses only 1µA supply current, 15 times less than its closest competitor.

The TS3001, like the TS3002, is simple to program, and accurate. The TS3001's timer frequency is set with just one resistor while the TS3002 is set with a resistor and a capacitor. Frequency out period drift is a very low 0.021%/°C for the TS3001, compared with the TS3002's frequency out period drift of 0.044%/°C.

The TS3001 and TS3002 are available in the space-saving TDFN-8 package.

#### Key Specifications:

- Ultra Low Supply Current: 1µA at 25kHz
- Supply Voltage Operation: 0.9V to 1.8V
- FOUT Period Drift: 0.021%/°C (TS3001)
- FOUT Period Drift: 0.044%/°C (TS3002)
- PWMOUT Duty Cycle Range: 12% to 90%
- Single Resistor Set Output Frequency (TS3001)
- Single Resistor and Capacitor Set Output Frequency (TS3002)

Both the TS3001 and TS3002 are in stock and ready to ship. Pricing starts at \$1.14 each in 1,000 piece quantities. The product is in stock and available from Touchstone's worldwide distributor **Future Electronics** ([www.futureelectronics.com](http://www.futureelectronics.com)).

Free samples and free demo boards are available for engineers wanting to test the product by visiting <http://www.touchstonesemi.com/timers.html>. The TS3001 and TS3002 are part of Touchstone Semiconductor's NanoWatt Analog™ high-performance analog integrated circuits portfolio.

#### ABOUT TOUCHSTONE

Touchstone Semiconductor, Inc. ([www.touchstonesemi.com](http://www.touchstonesemi.com)) creates high-performance analog integrated circuit 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. Find us at Twitter: @touchstonesemi or Facebook: Touchstone Semiconductor.

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*Editor's Note: Photos and datasheet are available at <http://www.touchstonesemi.com>.*

Contact: Adolfo A. Garcia  
Vice President - Marketing  
[agarcia@touchstonesemi.com](mailto:agarcia@touchstonesemi.com)  
408.215.1221

Mary Hain  
Hain Communications  
[mary@hainpr.com](mailto:mary@hainpr.com)  
925.926.0326