

Touchstone Semiconductor Launches the New TS6001A, a Low Power, <7ppm/°C Guaranteed, 2.5V Voltage Reference IC

2X Improvement Over MAX6025A

MILPITAS, Calif. – Jan. 23, 2012 – Touchstone Semiconductor, a developer of high-performance analog integrated circuit solutions, today announced the newest member of its voltage reference family, the TS6001A, a low-power, low-dropout precision SOT-23 voltage reference IC that reduces drift to a guaranteed 7ppm/°C maximum, a 2X improvement over its closest competitor, the MAX6025A.

The unique combination of a small form factor, few external components and low supply current make the TS6001A an ideal choice for low-voltage, supply-independent, power-sensitive applications, including handheld and battery-operated equipment.

The TS6001A is capable of sinking and sourcing load currents up to 500µA. The TS6001A consumes only 27µA of supply current at no-load. It also offers an initial accuracy initial output voltage accuracy of less than 0.08%.

Key Specifications:

- Initial V_{OUT} Accuracy:
 - 0.08% (max) – TS6001A
 - 0.16% (max) – TS6001B
- V_{OUT} Temperature Coefficient:
 - 7ppm/°C (max) – TS6001A
 - 10ppm/°C (max) – TS6001B
- Quiescent Supply Current: 35µA (max)
- High Output Source/Sink Current: ±500µA
- Low Dropout at 500µA Load Current: 100mV
- Stable with C_{LOADS} up to 2200pF

The TS6001A and TS6001B are available in a space-saving 3-pin SOT23 package. It is in stock and ready to ship. Pricing starts at \$1.60 each for the TS6001A and \$0.95 for the TS6001B in 1,000 piece quantities. The product is in stock and available from **Future Electronics** (www.futureelectronics.com).

Free samples and free demo boards are available for engineers wanting to test the product. Visit: <http://www.touchstonesemi.com/freedemoboards.html>. The TS6001A and TS6001B are part of Touchstone Semiconductor's NanoWatt Analog™ high-performance analog integrated circuits portfolio.

ABOUT TOUCHSTONE

Touchstone Semiconductor, Inc. (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.

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

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