

## New Product Announcement

### Mouser Now Offering Texas Instruments' AMC1301 Reinforced Isolated Amplifier

**June 30, 2016** – [Mouser Electronics](http://www.mouser.com), Inc. is now offering the [AMC1301](#) reinforced isolated amplifier from [Texas Instruments](http://www.ti.com) (TI). The AMC1301 is the industry's first reinforced isolated amplifier to withstand isolation working breakdown voltage of 1,000 V<sub>RMS</sub> for a minimum insulation barrier lifetime of 40 years.

[TI's AMC1301](#) isolated amplifier, now available from Mouser Electronics, is a highly reliable isolated amplifier with lower power consumption, higher DC accuracy, and improved overall power efficiency compared to similar devices. The amplifier features a low offset drift of 3µV/C over a wide temperature range of -40 to +125 degrees Celsius. The AMC1301 provides 65 percent less high-side-supply current and 45 percent less low-side-supply current than similar devices, improving overall power efficiency, simplifying power supply design, and reducing thermal drift issues for a more efficient system design and improved performance. The amplifier offers high precision with a maximum non-linearity of 0.03 percent and very low gain drift of 50 ppm/degree Celsius.

Mouser is also stocking the TI [AMC1301EVM](#), a full-featured evaluation board for the AMC1301. The AMC1301EVM evaluation module includes four screw terminals for easy access to the amplifier's analog inputs and outputs, and features a fixed gain of 8.2 and ±250-mV input voltage range optimized for current measurement using shunt resistors. The AMC1301EVM provides a reference solution for measuring isolated current using a shunt resistor and the AMC1301 amplifier, delivering a highly accurate solution for shunt-based current sensing in high-voltage applications such as industrial [motor](#) drives, solar inverters, battery management systems, and uninterruptible [power supplies](#).

To learn more about the TI AMC1301 amplifier and evaluation module, visit <http://www.mouser.com/new/Texas-Instruments/ti-amc1301-amplifier/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 22 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 600 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

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