

## New Product Announcement

# Maxim's MAX44299 Power Monitoring IC Now Shipping from Mouser Electronics

**September 7, 2016** – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor, is now stocking the [MAX44299](#) low-side current, voltage and power monitoring IC from [Maxim Integrated](#). The MAX44299 offers power, current, and voltage monitoring plus reference with precise measurement and programmable current-sensing of full-scale voltages of 5mV, 10mV and 20mV. With its wide single supply voltage range from 3V to 5.5V, the MAX44299 allows simple sharing of supplies with either an analog-to-digital converter (ADC) or a microcontroller, and is an ideal solution to improve measurement quality while saving cost and space in a variety of [power monitoring](#) applications.

The [Maxim Integrated MAX44299 IC](#), available from Mouser Electronics, offers instantaneous power with accurate power measurement of less than 1.1 percent of reading total error. The MAX44299 features three outputs, all of which are scaled to a full-scale current of 100µA. The device's reference output allows an additional output current of 100µA, which engineers can set as a reference voltage for an ADC being used to measure power, voltage, and current signals. Having the MAX44299 use currents rather than voltage to convey the measured signals to the ADC also avoids any errors caused by voltage drops across the parasitic resistance of the PCB — a significant factor for high-current systems.

The 16-bump, 2.4 mm x 2.4 mm MAX44299 IC is specified at a temperature range from 0 to +85 degrees Celsius, and is ideally suited for many power monitoring applications, including power monitoring and management data center and [telecom](#) systems, [renewable energy](#) systems and smart battery packs and chargers. The MAX44299 is also supported by the [MAX44299EVKIT](#) evaluation kit, also available on the Mouser website. The evaluation kit is preconfigured with the CSA full-scale input voltage range ( $V_{SENSE}$ ) of 10mV and 100µA of output current ranges, and can be reconfigured to 10mV/5mV of full-scale  $V_{SENSE}$  or 50µA of output current.

To learn more, visit <http://www.mouser.com/new/maximamplifiers/maxim-max44299-amplifier/>.

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### **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).

### **About Maxim Integrated**

Maxim is the leader in analog integration. From mobile to industrial solutions, Maxim is making analog smaller, smarter and more energy efficient.

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