

New Product Announcement

Maxim's MAXM17552 uSLIC Power Module, Now at Mouser, Offers Higher Voltages for Industrial Applications

December 11, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [MAXM17552](#) compact step-down DC-DC power module from [Maxim Integrated](#). Offering an ultra-small power source to drive [high-voltage](#) industrial and consumer applications, the micro system-level IC (uSLIC) module provides a wide input voltage range for factory [automation](#), medical, and communications devices.

The [Maxim MAXM17552](#) module, available from Mouser Electronics, is part of Maxim's Himalaya series of voltage regulator ICs and power modules, which enable cooler, smaller, and simpler power supply solutions. The MAXM17552 module operates over a wide input-voltage range of 4 V to 60 V and delivers up to 100 mA output current over an adjustable output voltage from 0.9 V to 5.5 V. The module integrates a synchronous wide-input Himalaya buck regulator with built-in FETs, compensation and other functions with an integrated shielded inductor in a miniscule 2.6 mm × 3.0 mm × 1.5 mm package. The module uses peak-current-mode control architecture, operates in pulse-width modulation (PWM) mode, and offers a soft-start feature to reduce input inrush current.

Compliant to CISPR 22 (EN 5022) Class B and JEDEC certified, the MAXM17552 power module delivers increased energy efficiency, shock and vibration tolerance, high temperature operation, and electromagnetic interference (EMI) compliance. The devices boast an ambient operating temperature range of minus 40 to 125 degrees Celsius and are guarded by hiccup overcurrent protection and overtemperature protection. Ideal for space-constrained applications in small enclosures, the modules offer a [power](#) solution to support industrial [sensors](#), motor encoders, [building](#) control, 4mA to 20mA current-loop powered sensors, and low dropout (LDO) regulator replacement.

To learn more, visit www.mouser.com/maxim-maxm17552-power-modules.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 750 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit 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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