

New Product Announcement

Analog Devices' LTM2810 μ Module Isolators, Now Shipping from Mouser, Provide 7.5kV Isolation for Industrial and Automotive Systems

May 15, 2019 – [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 Power by Linear™ [LTM2810](http://www.analog.com) μ Module® isolators from [Analog Devices](http://www.analog.com). Offering up to 7.5 kV_{RMS} of isolation, the LTM2810 μ Module isolators are suitable for [test and measurement](#) equipment, [medical](#) equipment, electric [vehicle](#) (EV) and hybrid electric vehicle (HEV) systems, [industrial](#) applications, and metering systems.

The [Analog Devices LTM2810](http://www.analog.com) μ Module isolators, available from Mouser Electronics, feature separate logic supply pins, supporting easy interfacing with different logic levels ranging from 1.6 V to 5.5 V. The devices coupled isolators are powered on each side by 3 V to 5.5 V supplies and provide 7.5 kV_{RMS} of isolation for one minute between the input and output logic interface. Ideal for systems with different ground potentials, the LTM2810 μ Module isolators enable uninterrupted communication through large common mode transients faster than 50 kV/ μ s.

The LTM2810 μ Module isolators feature an integrated transformer driver on the logic side and a low-dropout (LDO) regulator on the isolated side, regulating the rectified transformer output. The complete galvanic digital isolators require no external components and are available in SPI and I²C (with master mode-only support) compatible variants. The devices boast high-speed operation, with 400 kHz I²C isolation, 4 MHz / 8 MHz SPI isolation, and 10 MHz digital isolation. The LTM2810 μ Module isolators feature 16.2 mm creepage and offer a maximum continuous working voltage of 1 kV_{RMS} and 1.6 kVDC.

To learn more, visit www.mouser.com/adi-ltm2810-isolators.

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 25 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 Analog Devices

Analog Devices is a leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure, power, connect and interpret. Visit <http://www.analog.com>.

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