

New Product Announcement

Mouser Electronics Now Stocking Maxim MAX17250 DC-DC Boost Converter with 0.1 μ A True Shutdown Mode

November 19, 2018 – [Mouser Electronics](#), Inc. the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the [MAX17250](#) DC-DC synchronous boost converter from [Maxim Integrated](#). The MAX17250 offers up to 93 percent efficiency to minimize heat dissipation, with an ultra-low quiescent current that helps extend [battery life](#) in digital cameras, battery-powered [Internet of Things](#) (IoT) devices, and other connected designs.

The [Maxim MAX17250](#) DC-DC boost converter, available from Mouser Electronics, includes a selectable input peak current limit of 3.5 A, 2.7 A, or 1.85 A and operates over an input voltage range of 2.7 V to 18 V with an output voltage range of 3 V to 18 V. The device supports switching frequencies up to 1 MHz and offers short-circuit protection and a maximum on-time of 800 ns in a space-saving 12-bump, 1.72 mm x 1.49 mm package.

The MAX17250 converter implements three modes of operation: The first mode of operation is a soft-start mode at power-up. The second mode of operation is normal operation, which uses a fixed on-time/minimum off-time pulse frequency modulation (PFM) architecture that uses only 60 μ A (typical) quiescent current due to the converter switching only when needed. The MAX17250 converter's True Shutdown™ mode completely disconnects the output from the input, resulting in a current draw of just 0.1 μ A, virtually stopping battery drain, providing long battery life, and eliminating the need for external disconnect switches.

Mouser is also stocking the Maxim [MAX17250EVKIT#WLP evaluation kit](#), a fully assembled and tested kit that incorporates the MAX17250 converter and provides resistor-configurable output voltages from 3 V to 18 V.

To learn more, visit www.mouser.com/maxim-max17250-converter.

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

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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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