



US Headquarters
1000 N. Main Street, Mansfield, TX 76063, USA
(817) 804-3800 Main
www.mouser.com

For Immediate Release

Mouser Electronics Signs Global Distribution Deal with SemiQ, Expands SiC Power Portfolio

October 5, 2020 – [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, announces a global distribution agreement with [SemiQ](http://www.semiq.com), a partially employee-owned company that believes continued technological innovation of silicon carbide (SiC) products is the foundation for power electronics in energy industries of the future. SemiQ grows its own SiC epitaxial and is building the most reliable, redundant supply chain with multiple substrate suppliers, multiple epitaxial suppliers, two wafer fabrication facilities, and multiple packaging and testing facilities.

Mouser now stocks a variety of SemiQ's SiC Schottky diode and MOSFET products, all of which operate with zero switching loss to greatly increase efficiency and reduce heat dissipation, which allows engineers to use smaller heatsinks. SemiQ [SiC Schottky diode modules](#) offer enhanced performance with robust SiC chipsets and minimized parasitic package elements. The rugged modules are ideal for applications such as power supplies for DC power equipment, rectifiers for induction heating, and welding equipment.

SemiQ [SiC MOSFET modules](#) provide low on-state resistance at high temperatures plus excellent switching performance, simplifying thermal design in power electronic systems. The modules are ideal for applications in solar inverters, power supplies, motor drives, and charging stations. [SiC Schottky discrete diodes](#) are easy to parallel with fast, temperature-independent switching. The devices are designed for solar inverters, power supplies, motor drives, and charging stations applications.

To learn more about SemiQ, visit <https://www.mouser.com/manufacture/semiq/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit www.mouser.com.

About SemiQ, Inc.

SemiQ, Inc. designs, develops and manufactures Silicon Carbide (SiC) Power Semiconductors, SiC Power Modules, as well as SiC Epi Wafers. In addition, SemiQ's expertise in power conversion sub systems design is available to customers who want application support and help designing with SiC devices and modules. SemiQ also offers semi-custom SiC Power Modules.

Trademarks

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. All other products, logos, and company names mentioned herein may be trademarks of their respective owners.

– 30 –

Further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Manager, Corporate Communications and Media Relations
(817) 804-7764
Kelly.DeGarmo@mouser.com