



New Product Announcement

Microchip AgileSwitch Phase Leg Power Modules, Now at Mouser, Offer Benefits of Both SiC MOSFETs and SiC Diodes

September 15, 2020 – [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 new [AgileSwitch® Phase Leg SiC MOSFET modules](#) from [Microchip Technology](#). The compact, highly integrated power modules are built with both silicon carbide (SiC) MOSFETs and SiC diodes, combining the benefits of both devices in a single solution. The AgileSwitch modules support a range of [power supply](#) applications, including electric vehicle/hybrid electric vehicle (EV/HEV) powertrain and kinetic energy recovery systems, [medical](#) power supplies, aircraft actuation systems, power generation systems, and photovoltaic/solar/wind converters.

The [Microchip Phase Leg SiC MOSFET](#) power modules, available from Mouser Electronics, are housed in an extremely low-inductance SP6LI package, allowing designers to achieve complete systems using a smaller number of modules in parallel. The 1200 V modules feature an SiC power MOSFET offering low $R_{DS(on)}$ and high-temperature performance. The modules' SiC Schottky diode offers zero forward recovery, zero reverse recovery, temperature independent switching behavior, and a Kelvin source for easy drive.

The modules feature a case temperature of +80°C and AlN substrate for improved thermal performance. The SP6LI power modules enable switch mode power supplies and [motor control](#) in a broad range of defense, [automotive](#), medical, and [industrial](#) applications.

To learn more, visit <https://www.mouser.com/new/microsemi/microsemi-phase-leg-sic-mosfet-modules/>.

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 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 800 manufacturers. 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.

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