

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](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 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

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