



## New Product Announcement

# Mouser Electronics Now Stocking Ultra-Compact TDK FS1406 µPOL DC-DC Power Modules

**September 8, 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 [FS1406](#) µPOL DC-DC power modules from [TDK](#). Offering 15 W of output power in a minuscule 3.3 mm × 3.3 mm × 1.5 mm package, the highly compact point-of-load modules support a range of high-performance applications, including machine learning, artificial intelligence, big data, 5G cells, and [Internet of Things](#) (IoT) applications.

The [TDK FS1406](#) µPOL DC-DC power modules, available from Mouser Electronics, integrate the matching MOSFET, inductor, and driver in a single semiconductor embedded in substrate (SESUB) package, drastically reducing the device's form factor by up to 50 percent when compared with modules using side-by-side integrated circuit and inductor. The modules feature an on-chip pulse-width modulation (PWM) controller, integrated MOSFETs, and incorporated inductors and capacitors, resulting in a highly accurate regulator with extremely high power density of 1 watt per mm<sup>3</sup>.

The plug-and-play devices reduce system cost and design time, and are ideal for [industrial](#) applications that require high power density, including network [communications](#), servers, and storage. The modules also support imaging, radars, security, and other machines for the [medical](#) industry.

To learn more, visit <https://www.mouser.com/new/tdk/tdk-upol-power-modules/>.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

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 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 countries/territories from its 1 million sq. ft. state-of-the-art facilities south of Dallas, Texas. For more information, visit [www.mouser.com](http://www.mouser.com).

### **About TDK Corporation**

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution and deliberately "Attracting Tomorrow." It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive, innovation-driven portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK focuses on demanding markets in automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2020, TDK posted total sales of USD 12.5 billion and employed about 107,000 people worldwide.

### **Trademarks**

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