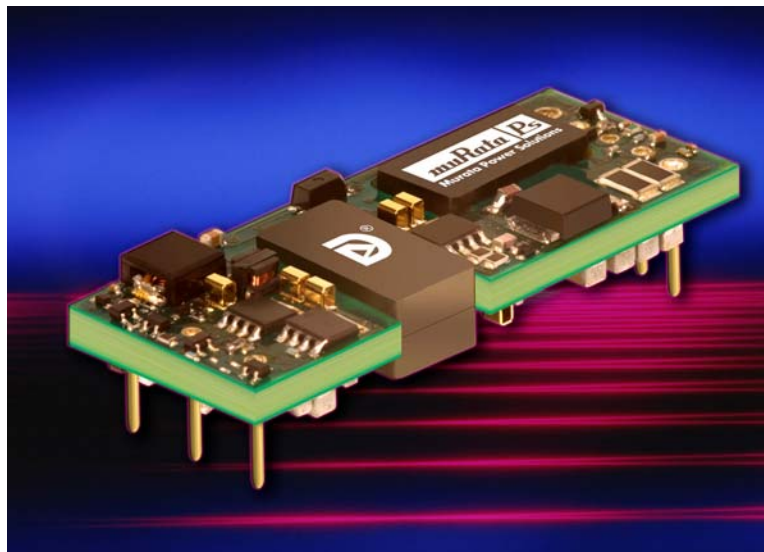


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Murata Power Solutions
www.murata-ps.com

News Release

Murata Power Solutions extends eighth-brick, ultra-wide input DC/DC Converter series



- *New models offering fixed outputs of 15A@5V and 5A@15V*
- *Up to 75W of output power from eighth-brick industry-standard package*
- *Ultra-wide 4:1 input range of 9VDC to 36VDC or 18VDC to 75VDC*
- *Pin compatible with quarter-brick modules to allow space saving replacement*

Murata Power Solutions has extended its UWE series of eighth-brick, 4:1 ultra-wide input isolated DC/DC Converters with the addition of two new models. Both the UWE-5/15-Q48N-C (15A@5VDC) and the UWE-15/5-Q12P-C (5A@15VDC) provide up to 75W of output power, making them ideal space saving drop-in replacements for commonly used 100W quarter-brick devices where the full 100W power is not needed.

An ultra-wide input voltage range of 18 to 75VDC (UWE-5/15-Q48N-C) and 9 to 36VDC (UWE-15/5-Q12P-C) helps simplify the integration of the new DC/DC Converters in customer designs. Typical applications include mobile and battery powered devices, test equipment, telecoms and wireless, plus distributed power architectures in the industrial, high reliability, aerospace, networking & wireless, and telecom and office equipment markets.

The eighth-brick industry standard through-hole package has overall dimensions of 22.9mm (0.9in.) x 58.4mm (2.3in.) x 9.1mm (0.36in.) high. Operating temperature range is -40°C to +85°C with derating. The UWE series has a synchronous rectifier design that results in typical high efficiency ratings of

90%, plus low power dissipation with no reverse output conduction. This allows the DC/DC Converters to be used without fans or temperature derating in most applications. For the most demanding environments, customers can specify an optional thermal mounting baseplate.

The UWE series provides 1500VDC isolation (basic insulation) to assure safety, and fully differential (floating) operation for maximum application flexibility. All models include remote On/Off control, trim, and remote sense functions to provide compensation for line drop errors at high output currents. Extensive self-protection design features including pre-bias operation, input undervoltage, and output short circuit, overcurrent and over temperature protection prevent potential damage to both the converter and outside circuits. Overloads automatically recover using the 'hiccup' technique upon fault removal.

The new models and all existing UWE wide input, isolated eighth-brick DC/DC Converters meet UL/EN/IEC 60950-1, CAN/CSA-C22.2 No. 60950-1 safety approvals and comply with the requirements of RoHS-6 and FCC RFI/EMI certification.

Ends

About Murata Power Solutions

Murata Power Solutions (www.murata-ps.com) is headquartered in Mansfield, Massachusetts, with over 1,300 employees, and locations in the USA, Canada, England, France, Germany, Singapore, Japan and China. Murata Power Solutions designs, manufactures and distributes DC/DC Converters, AC/DC Power Supplies, Magnetics, Data Acquisition devices and Panel Meters, and offers these products in custom, standard and modified-standard variations. These products, which are built to exacting requirements in ISO9000:2000-approved facilities, are typically used worldwide within telecommunications, computing, industrial and other high-tech applications.

About Murata

Based in Kyoto Japan, Murata Manufacturing Company Ltd is one of the world's leading providers of ceramic based components, sensors, and AC/DC and DC/DC power solutions. Founded in 1950, the company has over 34,000 employees worldwide, and over \$6.3 billion US in consolidated annual sales (as of March 31, 2008). Everywhere in the world, wherever you can reach, Murata's electronic components are always at work.

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