

## News Release

**Murata Power Solutions announces 5V additions to OKAMI™  
family of DOSA-compliant PoL DC/DC converters**



- *Able to drive 1000 $\mu$ F Ceramic capacitive loads*
- *DOSA compliant, industry standard SMT packages*
- *2.4VDC – 5.5VDC input voltage range with choice of 3A and 5A output current models*
- *Programmable output voltage of 0.75VDC to 3.63VDC*
- *High power conversion efficiency up to 96%*

The latest expansion of Murata Power Solutions' Okami™ non-isolated single point-of-load (PoL) DC/DC converters sees the introduction of 3A and 5A modules with a 5V nominal input. The new parts complement the 12V input 3A, 5A, 10A and 16A modules recently introduced and give designers an even greater choice of alternatives to discrete design in providing high efficiency Point-of-Load (PoL) power for their embedded applications.

The new Distributed-Power Open Standards Alliance (DOSA) compatible modules are housed in industry-standard surface-mount (SMT) packages and can act as a drop-in replacement for other DOSA compliant parts. Typical applications include powering CPUs, datacom / telecom systems, server and storage equipment, industrial systems and programmable logic and mixed voltage designs.

The four new parts all offer 5V input (2.4VDC – 5.5VDC) and comprise 3A and 5A output options, each with a choice of either positive or negative on/off control. Output voltage is programmable from 0.75VDC to 3.63VDC.

The new OKAMI DC/DC Converters offer efficiency levels up to 96% and are able to drive 1000 $\mu$ F ceramic capacitive loads. This makes them ideal for powering applications with tight output load regulation requirements such as latest generation FPGAs and DSPs.

The modules have exceptional thermal derating performance and provide under-voltage lockout, output short-circuit protection, plus over-current and over-temperature protection. Compact overall dimensions of 20.8mm (0.82in.) x 11.9mm (0.47in.) x 6.2mm (0.25in.) allow the OKAMI 3A and 5A 5V input non-isolated DC/DC Converters to be used in space constrained applications. Operating temperature range is -40°C to +85°C.

The modules are RoHS-compliant and are designed to meet UL/EN/IEC 60950-1 safety approvals and FCC emissions certifications.

Ends

## **About Okami™**

Okami, Japanese for “wolf”, is the registered trademark for Murata Power Solutions’ new breed of DOSA PoL DC/DC converters. For more information on the Okami family, please visit [www.murata-ps.com/okami](http://www.murata-ps.com/okami)

## **About Murata Power Solutions**

Murata Power Solutions ([www.murata-ps.com](http://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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