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

## News Release

**Okami™ PoL DC/DC Converter range expands with the  
introduction of 3A miniature SIP**



- *Miniature SIP package suited to space-constrained applications*
- *Outstanding thermal derating and 93% conversion efficiency*
- *4.5 V to 14V input voltage range*
- *Drives up to 200 $\mu$ F ceramic capacitive loads*

Murata Power Solutions has added a miniature 3A, SIP model to its Okami™ family of non-isolated point-of-load (PoL) DC/DC converters. The OKR-T/3-W12-C provides an ideal solution for designs that require a wide input voltage range, high efficiency PoL solution where board space is limited. Typical applications include datacom routers and servers, plus industrial equipment such as LED signage, POS systems and power amplifiers where the new DC/DC converters are able to provide a cost-efficient way to meet the onboard power needs of ASICs, FPGAs, microprocessors and communications ICs.

The new addition to the Okami range has an input voltage range of 4.5VDC to 14VDC (12VDC nominal), and a programmable output voltage from 0.591VDC to 6.0VDC. Despite overall dimensions of just 10.4mm (0.41in.) x 16.5mm (0.65in.) x 10.2mm (0.40in.), the OKR-T/3-W12-C achieves outstanding thermal derating performance. Power conversion efficiency of 93% supports the growing demand for energy efficient product designs. The modules are capable of driving ceramic capacitive loads up to 200μF.

Based on 600kHz synchronous buck topology, the OKR-T/3-W12-C DC/DC converter features include programmable output voltage and on/off control, under-voltage lockout, over-current and over-temperature protection. In order to provide flexibility and additional choices to designers, Murata Power Solutions will soon introduce 6A and 10A versions of the miniature SIP packaged OKR series in the same form factor and pinout.

The new converters are designed to meet all standard UL/EN/IEC 60950-1 safety and FCC EMI/RFI emissions and RoHS-6 hazardous substance compliance.

Ends

**About Okami™**

Okami, Japanese for "wolf", is a registered CTM trademark and may be a registered trademark in certain other countries 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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