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Murata Power Solutions

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

## News Release

**World's number one board-mounted power company introduces  
first three models in Okami™ DOSA-compliant point-of-load  
DC/DC converter range**



- *Okami modules provide drop-in replacement for DOSA PoL converters and competitive alternative to discrete designs*
- *Choice of 3A and 5A output current*
- *Wide input voltage range and user selectable output voltage*
- *Fixed-frequency buck switching topology gives efficiency to 93% , low heat and low noise*
- *High load capacitance to 1000 $\mu$ F*
- *Virtually no derating across rated temperature range*

Murata Power Solutions has introduced the first three models in its new Okami™ range of miniature non-isolated single output point-of-load (PoL) DC/DC converters. The new modules represent the latest innovation from Murata Power Solutions, further strengthening its position as the world's number one supplier in the board mounted power sector.

The OKY-T/3-D12P-C, OKY-T/3-D12N-C and OKY-T/5-D12N-C provide designers of equipment requiring high efficiency PoL power with compact and reliable solutions that deliver respective output currents of 3A and 5A. The modules can act as a drop-in replacement for other DOSA-compliant parts or be

used as a cost-competitive alternative to discrete designs where reduced component count and shorter time-to-market are required.

Housed in an industry-standard Distributed-Power Open Standards Alliance (DOSA) surface-mount package, the Okami OKY-T/3-D12P-C, OKY-T/3-D12N-C and OKY-T/5-D12N-C have a wide input voltage range of 8.3VDC to 14VDC (nominal 12VDC) and can be used with high capacitance loads of up to 1000 $\mu$ F. This makes the modules ideal for powering the latest generation of FPGAs and DSPs that require tight output load regulation. The modules have an operating temperature range of -40°C to +85°C.

Fabricated on a 20.8mm (0.82in.) x 12mm (0.47in.) surface mount module and using fixed-frequency buck switching topology, the OKY-T/3 and OKY-T/5 offer narrow line/load regulation and achieve high efficiency levels of up to 93% (3.3V<sub>out</sub>/5A) with no heatsink and no extra components. The design also results in very low heat and minimal electrical noise.

All of the new models provide a user selectable output (via a precision resistor) of 0.75VDC to 5.5VDC and incorporate a remote on/off control. Inputs are protected from undervoltage whilst outputs have short circuit protection plus overcurrent and excess temperature shutdown.

The modules are RoHS-compliant, have an MSL (moisture sensitivity level) rating of 2, and are designed to meet UL/EN/IEC 60950-1 safety approvals and FCC emissions certifications.

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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