

News Release

New 12V input SMT modules added to OKAMI™ family of DOSA-compliant PoL DC/DC converters



- *Available with 10A or 16A Output current*
- *Programmable non-isolated output voltage from 0.75V to 5.5V*
- *Able to support up to 1000 μ F output ceramic capacitance*
- *High efficiency up to 94.5%*
- *Wide input voltage range 8.3VDC to 14VDC*
- *Optional Sequence/Tracking feature (OKY2 models)*

Murata Power Solutions has added eight new 12V input models to its DOSA compliant Okami™ range of non-isolated point-of-load (PoL) DC/DC converters. The latest additions comprise four 10A and four 16A output current surface mount (SMT) modules that provide an ideal drop-in replacement for other DOSA-compliant parts in space constrained designs that require high density, high efficiency power solutions.

All OKY-T10 and -T16 modules are available with either positive or negative on/off logic control. The OKY2-T10 and OKY2-T16 models offer the same choice but also feature a sequence/tracking function wherein the output voltage will track an input signal to enable power sequencing.

Common to all models is a wide input voltage range of 8.3VDC to 14VDC and a programmable, output voltage from 0.75V to 5.5VDC, which simplify the inclusion of these modules into a wide range of equipment designs. Typical applications include any system using latest generation IC's such as DSP, FPGA and ASIC.

The new OKAMI modules achieve high power conversion efficiency of up to 94.5%, have outstanding thermal derating performance and are able to support up to 1000 μ F ceramic output capacitance. The compact design incorporates over-temperature and short-circuit protection features with pre-bias immunity.

Operating temperature range is -40°C to +85°C and the modules have dimensions of 33mm (1.30in.) x 13.5mm (0.53in.) x 8.4mm (0.33in.). The modules 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

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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