

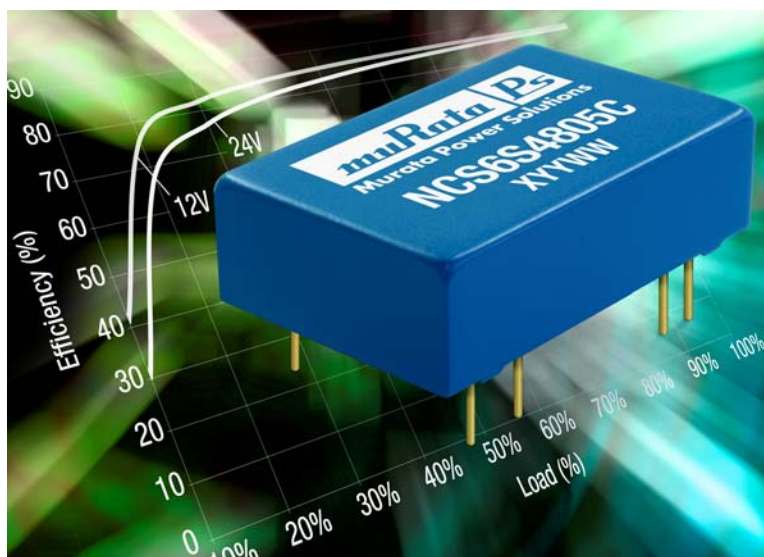
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Murata Power Solutions

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

## News Release

**Wide input voltage range and industry standard footprint simplify  
design-in of 6W single output DC/DC Converters**



- *4:1 wide range voltage input (either 12V or 48V nominal)*
- *Metal case and encapsulated design support excellent thermal and EMI performance*
- *High power density of 0.94W/cm<sup>3</sup>*

Murata Power Solutions has introduced a new range of isolated 6W, wide 4:1 input, single output DC/DC Converters suited for use in a wide range of applications including telecommunications, battery powered systems, process control and distributed power systems. The NCS6 Series is available with input voltage ranges of 9-36V (12V nominal) and 18-75V (48V nominal) both with under voltage lock out. The new modules are housed in industry-standard packages that allow them to be used as drop-in replacements in existing designs.

Single output voltages of 3.3, 5, 12 and 15V are available and the NCS6 series achieves a power density of  $0.94\text{W}/\text{cm}^3$  with efficiency levels from 73%. A metal case helps the new DC/DC Converters achieve high levels of EMI shielding and the encapsulated design gives excellent thermal performance.

The NCS6 series specifies 1.5kVDC isolation and has typical load line regulation of 0.006%. Low noise performance and a design that overcomes the need for electrolytic capacitors helps to further simplify their inclusion in customer designs.

Overall dimensions of the new modules are 32mm (1.26in.) x 20mm (0.787in.) x 10mm (0.394in.) and operating temperature range is -40°C to +85°C. All models in the range are RoHS compliant and use UL 94V-0 rated package materials.

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### **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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