

## News Release

**Shielded inductors provide a power line filtering solution in applications with EMI susceptibility**



- *Compact design with radial lead format*
- *DC current ratings to 4.7A  $I_{DC}$*
- *Inductance values from 10 $\mu$ H to 22mH*
- *Low DC resistance supports high efficiency designs*

The new 1200RS and 1200LRS series of inductors from Murata Power Solutions are ideal for providing power line filtering in low to medium current applications such as switching power supply circuits. An integral ferrite shield makes them especially useful in designs that are susceptible to electromagnetic interference (EMI).

The through hole, radial leaded devices have compact overall dimensions of 10.5mm diameter x 8.5mm that support their inclusion in designs where PCB space is limited. The 1200LRS series is available with inductance values ranging from 6.8 $\mu$ H to 22mH and DC current ratings up to 4.7A  $I_{DC}$ . The 1200RS series offers higher current versions with the same footprint. Inductance values extend from 10 $\mu$ H to 1mH and maximum current ratings to 4.6A  $I_{DC}$ . All parts have a low DC resistance to help maximise efficiency.

Operating temperature range of the 1200RS and LRS series is -40°C to +85°C. The new devices use UL 94V-0 approved materials, are fully RoHS compliant, and have backward compatibility with Sn/Pb soldering systems.

Ends

### **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.

### **Contact:**

John Sutherby, Marketing Communications Department  
Telephone: +1-508-339-3000 x 117

### **Issued by/more information from:**

Simon Krelle, Pinnacle Marketing Communications Ltd  
Tel: +44 (0) 7973 821036 Fax: +44 (0) 20 868 4373.  
E-mail: [simonk@pinnaclemarcom.com](mailto:simonk@pinnaclemarcom.com)  
Web: [www.pinnacle-marketing.com](http://www.pinnacle-marketing.com)

**May 2009 Ref. MPS359/A**