

July 2008

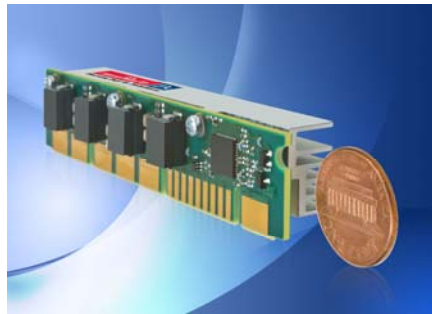
Ref.: MPS270A VR110B080CA-1C

Murata Power Solutions

www.murata-ps.com

News Release

Ultra-low profile 80A voltage regulator module has industry-leading installed height of just 0.807in (20.5mm)



- *Low profile SIP ideal for space restricted applications*
- *80A maximum output with DAC programmable output voltage*
- *Meets Intel[®] VRM 11.0 requirements*
- *88% full load efficiency*

Murata Power Solutions has added a new model to its VR110 Series of single inline packaged (SIP) voltage regulator modules (VRMs) to address applications where component height is restricted. The VR110B080CA-1C is housed in a

package that achieves an industry-leading installed height of just 0.807in. (module height is 0.782in.).

The VR110B080CA-1C has a single 7-Bit DAC programmable output of 0.8375VDC to 1.6VDC, maximum output current is 80A. Input voltage is 12VDC and full load efficiency is 88%. The device is Intel[®] VRM 11.0 compliant.

Key features of the new module include power good output, differential remote sense, remote enable, dynamic VID capability, and a tri-state output when disabled. A comprehensive set of supervisory and self-protection features such as output over-current, short circuit protection, an output current level signal and an over-temperature indicator are also incorporated in the design.

The new module is RoHS compliant and has an overall length and width of 3.6in. x 0.75in. Operating temperature range is 0°C to +65°C.

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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, Tokyo 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 26,000 employees worldwide, and over \$4.9 billion US in consolidated annual sales (as of March 31, 2007). 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
Web: www.pinnacle-marketing.com

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