

August 2008 Ref.: MPS249A

Murata Power Solutions
www.murata-ps.com

News Release

AC/DC power supply provides 400W of continuous power in 1U form-factor without need for additional system airflow



- *True 1Ucompatible package is 1.59”H*
- *4”x7” footprint delivers 9.2W/in³ power density*
- *Integral fan*
- *I²C interface allows monitoring of operating status*
- *Active power-factor correction to EN61000-3-2*
- *N+1 redundancy with integral ORing FET and current sharing*
- *Class B conducted and radiated EMI*

Murata Power Solutions has introduced its CEF400-112C series, a new 400W, single output AC/DC switching power supply for distributed power architecture (DPA) designs requiring reliable 12V bulk power. The active power-factor-corrected (PFC) power supply features an integral fan enabling it to deliver 400W of continuous power in a low-profile 1U package without the need for additional external airflow. Typical applications include telecoms and networking equipment, industrial controls, office equipment, test & measurement equipment, and instrumentation.

The IEC EN61000-3-2 compliant power supply accepts a universal input voltage range of 85 to 264VAC or 120 to 300VDC. In addition to its main 12V output, the CEF400-112C also features an 'always on' 5V auxiliary output for applications that require standby operation. A built-in OR-ing FET enables current sharing for N+1 redundancy and fault-tolerant applications.

The compact high power density design incorporates a number of important monitoring and control features such as AC power fail, DC power good, remote on/off, remote sense, and droop current share. Status and control can alternately be

accomplished through the I/O pins or the integral I²C interface. Integral safety features include over-voltage, over-current, and thermal overload protection.

Overall dimensions of the RoHS compliant CEF400-112C are 101.6mm (4.0") x 177.8mm (7.0") x 40.4mm (1.59"). Operating temperature range is 0°C to +50°C, and calculated mean time before failure (MTBF) is 480,000 hours (at 25°C ambient, 120VAC input and 100% load).

Ends

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, Japan, Singapore 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.

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