

FOR IMMEDIATE RELEASE

**Vicor Introduces New High-Efficiency,
320 W V•I Chip PRM Regulator**

Facilitates direct 48 V-to-load power conversion with 91% efficiency

Andover, MA, January 30, 2007...Vicor Corporation (NASDAQ: VICR) has introduced a high power (>1100 W/in³) 320 W PRM™ non-isolated regulator. Designated P045F048T32AL, this latest V•I Chip™ component is designed for high-performance 48 V power applications such as servers, telecom and ATE. This PRM provides a controlled Factorized Bus distribution voltage for powering downstream VTM™ current multipliers, creating fast, efficient, isolated, low-noise Point-of-Load (POL) converters. With an efficiency of 97% and matched with a 94% VTM unit, it enables direct 48 V-to-load with 91% efficiency, eliminating the need for an intermediate 12 V bus conversion stage and VRMs.

In combination, PRMs and VTMs form a complete DC-DC converter subsystem offering all of the unique benefits of Vicor's Factorized Power Architecture (FPA)™: high density and efficiency, low-noise operation, architectural flexibility, extremely fast transient response, and elimination of bulk capacitance at the point of load. A PRM+VTM chip set provides up to 100 A or 300 W for a 48 V-direct-to-load density of over 500 W/in³. Alternatively, the PRM regulator may be used independently if isolation is not required.

The P045F048T32AL features unique Adaptive Loop compensation feedback. This single-wire alternative to traditional remote sensing and feedback loops enables precise control of an isolated POL voltage without the need for either a direct connection to the load or for noise-sensitive, bandwidth-limiting, isolation devices in the feedback path.

"The Adaptive Loop model is recommended for typical Factorized Power system applications because of its simplicity, higher bandwidth, and lower cost," said Stephen Oliver, Vice President of Marketing and Sales.

A 320 W PRM+VTM chip set to convert from 48 V direct to 1 V is available for \$53 in OEM quantities. Parts are available immediately from stock. To order, contact Vicor Customer Service at 800-735-6200 or e-mail custserv@vicr.com.

For data sheets, comprehensive application notes and more information on V•I Chip products, please visit the Vicor website at www.vicorpower.com. Customer evaluation boards are available.

Vicor Corporation designs, develops, manufactures, and markets modular power components and complete power systems used primarily by original equipment manufacturers (OEMs) in the communications, data processing, industrial control, test equipment, medical, and defense electronics markets.

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