

**FOR IMMEDIATE RELEASE**

## **Vicor Launches Half-Chip PRM Regulator**

*High efficiency regulator packs unprecedented 200 W power into half a square-inch*

**Andover, MA, June 16, 2010...V.I Chip, a subsidiary of Vicor Corporation (NASDAQ: VICR)** today announced its half-chip PRM™ regulator, the newest member of the company's V.I Chip product line. The PRM48BH480T200A00 offers the most power-dense solution for applications with limited space – an ideal solution for medium- to low-power applications. In its half-chip package (16.5 x 22.0 x 6.7 mm), this converter is 97 percent efficient at 200 W with the same power density as a 400 W full-size PRM.

The PRM48BH480T200A00 operates from 48 Vdc (38 to 55 V) to generate a regulated, adjustable 5 to 55 V output. The ZVS Buck – Boost topology and high switching frequency (~1 MHz) operation enable high efficiency and reduced size to reach power density over 1,300 W / in<sup>3</sup>. The half-chip PRM can be used as a stand-alone, non-isolated voltage regulator or combined with full-chip or half-chip VTM™ current multipliers for a complete, isolated DC-DC solution direct to the point-of-load, with extremely fast transient response and isolation to 2,250 Vdc. The half-chip PRM is ideal for server processor and memory, ATE system, and LED driver applications that require high efficiency, fast transient response, low profile, and overall design flexibility.

An external control loop and current sensor maintain regulation and enable flexibility in the design of voltage and current compensation loops for precise power delivery. All V.I Chips are compatible with standard pick-and-place and surface mount assembly processes.

“This new member of the V.I Chip portfolio not only provides power designers with a better low-power option, but offers them a building block for entire high efficiency DC-DC systems as well,” says Stephen Oliver, VP of Marketing and Sales. “The new 200 W PRM regulator is scalable, can be mixed and matched with full- and half- size V.I Chips, and solves complex power design challenges with a higher efficiency and is up to 6x smaller than previous best-in-class converters.”

For pricing and ordering, contact Vicor Customer Service at 800-735-6200 or email [custserv@vicorpower.com](mailto:custserv@vicorpower.com). For a data sheet and more information on the 200 W half-chip PRM and other V.I Chip products, please visit [www.vicorpower.com](http://www.vicorpower.com).

### **About V.I Chip**

V.I Chip, Inc. specifies, designs, manufactures and markets V.I Chip power components to enable next-generation power architecture in high-end computing, ATE, telecom, solid-state lighting, and defense electronics markets worldwide.

### **About Vicor**

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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