

FOR IMMEDIATE RELEASE

Vicor Announces Library of V•I Chip Application Notes

Andover, MA, January 9, 2007...Vicor Corporation (NASDAQ: VICR) announced the availability of an expanding library of V•I Chip™ Application Notes to support the implementation of power system designs. The comprehensive family of V•I Chip components — BCM™ converters, PRM™ regulators and VTM™ current multipliers — is now complemented by design guidelines and technical details for a number of key applications and processes. These application notes give power designers practical knowledge and insights to ensure their access to all of the advantages that Factorized Power Architecture (FPA)™ offers.

Notes cover the creation of current-sharing parallel arrays for high power, low voltage applications using PRM and VTM pairs and the design practices for powering multiple VTMs with a single PRM to meet the challenge of power systems requiring lower voltages, more current, and multiple voltages within one system.

For the BCM, one application note describes basic design practices for using a BCM as an intermediate bus converter to provide a bus voltage to low-power niPOLs. Another offers a filter solution. Yet another is devoted to thermal management to easily determine the power capability of the BCMs given certain ambient temperature, airflow conditions and heat sink options. The technical details include 27 pages of diagrams, equations, IR images, curves providing thermal impedance, power derating and maximum ambient temperature details for individual BCMs.

Application note guidelines are provided for PCB layout, enabling system density to keep pace with technology by providing layout flexibility and high power density while ensuring a quiet, efficient, and dense system. In another application note, V•I Chip soldering recommendations are given that define the processing conditions required for successful attachment to a PCB.

“We are as committed to helping our customers design and develop better power solutions as we are to developing technologically advanced power products,” said Stephen Oliver, Vice President of Marketing and Sales. “These application notes are vitally important to meeting that commitment and highlight our application engineers’ wealth of knowledge.”

The application notes are available on the Vicor web site at:
http://www.vicorpower.com/library/technical_documentation/design_center/application_notes/. Chinese language versions will be available on the web site in February.

Data sheets, evaluation boards, and more information on V•I Chip products are also available at www.vicorpower.com.

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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BCM (Bus Converter Module), FPA (Factorized Power Architecture), PRM (Pre-Regulator Module), VTM (Voltage Transformation Module), V•I Chip, and Vicor Corporation are trademarks of Vicor Corporation.

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