

Vicor Introduces Offline VI BRICK BCM Array with Vertical Mount Heatsink

Andover, MA, June 23, 2009... The Brick Business Unit of Vicor Corporation (NASDAQ: VICR) today announced the introduction of the VI BRICK BCM Array™. This high-efficiency (typically 95 percent), high-power (up to 650 W), vertically-mounted BCM array provides isolation and conversion from 380 V to 12 or 48 V for low-voltage distribution near the point of load. It incorporates the superior technical attributes of VI Chip™ technology in a robust package that facilitates thermal management.

“The combination of a high voltage bus converter with an integrated heatsink that simplifies thermal management and minimizes board space is unique,” said Joe Sullivan, Product Marketing Manager, Vicor. “It has already been adopted by major customers.”

Ideal for PFC front-end applications providing the capability of a high voltage bus with minimal distribution losses, the VI BRICK BCM Array provides a highly efficient solution for applications using point-of-load (POL) converters to provide multiple output voltages. They are available with 384 and 352 nominal input voltages and output voltages of 11, 12, 44, and 48 Vdc. The efficiency and compact size of these modules yields power density up to 290 W/in³ and fast transient response. Less capacitance is required for energy storage near the load, which equates to space and cost savings. These models will be available with output power up to 650 W in a board space of less than two square inches in a one unit high package. The vertical package orientation also provides better exposure of the heatsink to system airflow.

The new VI BRICK BCM Arrays are ideally suited for server applications using a PFC front end requiring relatively high power levels with challenging thermal issues. The offline power can be bussed to the motherboard and converted to either 48 or 12 V, which minimizes distribution losses, reduces conversion steps, improves efficiency, and reduces overall cost. These products can be used in a wide variety of applications that require high efficiency, high power density, improved thermal management, low noise, fast transient response, and overall design flexibility.

The 384 V input modules are immediately available from stock in sample size quantities. Standard lead time for higher quantities is four to six weeks. North American pricing for the VI BRICK BCM Array family is as low as \$109 USD in OEM quantities. For data sheets and additional information on Vicor DC-DC and AC-DC power products, please visit the Vicor website at www.vicorpower.com. To order, contact Vicor Customer Service at 800-735-6200 or e-mail custserv@vicr.com.

About Vicor Corporation

Vicor offers tens of thousands of standard and custom high-performance power conversion components delivered worldwide with very short development cycles. Vicor's PowerBench™ on-line tool suite enables the design of customized brick or configurable power supplies to their exact specifications in minutes. The company's modular power conversion components are used in the communications, data processing, industrial control, test equipment, transportation, medical, and defense electronics markets. Vicor's innovation and leadership, speed of delivery, and breadth and depth of its product lines make it a top supplier to civilian and military manufacturers across the globe.