

FOR IMMEDIATE RELEASE

Vicor's New 270V MIL-STD 704 Converter Enables Full Power, Half-Size, Half-Weight Aerospace and Defense Applications

Andover, MA, March 8, 2011... Vicor Corporation (NASDAQ: VICR) today introduced the MBCM270F450M270A00, a high-efficiency, non-regulated MIL-COTS BCM™ bus converter to complete a family of V•I Chip™ power components for airborne, naval and land-based applications.

Operating from the typical 270VDC (230-330V) MIL-STD-704E/F power rail, the new MBCM270F450M270A00 uses the proprietary Sine Amplitude Converter™ (SAC™) topology to deliver isolated power to a nominal 45V rail at more than 96% efficiency, more than 800W/in³ power density with around ¼ inch low profile and ½ ounce weight.

Systems using the MBCM-series bus converters with downstream PRM™ Regulators and VTM™ Current Multipliers to drive pulsed power (e.g. radar) loads, radio and satellite communications, computing processors/ASICs and memory, have a 60% smaller footprint, 3% higher efficiency and enable complete powertrain systems which are 66% lighter than previous best-in-class solutions.

“Power-to-weight is a key metric for any mobile application – whether it’s air-, sea- or land-based – and here, the MBCM270 has a 4x advantage. It’s all about providing the system designer with small, efficient, lightweight systems with the right power to drive the end application,” says Stephen Oliver, V.P. of V.I Chip Marketing Sales.

“That 3% efficiency improvement over previous best-in-class translates into half the power loss, which means half the fans, heat sinks, coldplates, etc.,” Oliver continues, “and the MHz switching frequency means smaller, lighter filters too – saving a lot of excess weight and size. Once again, Vicor can say ‘we’ve got your back’ when it comes to meeting the needs in the defense electronics market for easier, more reliable power design.”

The 45/48Vout MBCM270F450M270A00 and its partner 28/33Vout MBCM270F338M235A00 bus converters are available now in Surface Mount Technology (SMT), through-hole and thermally-enhanced VI BRICK™ package versions. For datasheets, technical documentation, and to order samples online,

please visit www.vicorpower.com or contact Vicor Customer Service on 800-735-6200 or at custserv@vicr.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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