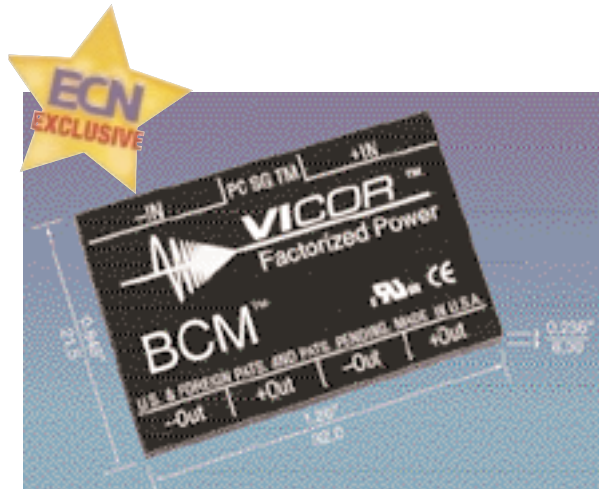


High Performance Bus Converters

Vicor has introduced a family of 48 V_{in} to 12 V_{out} Bus Converter Modules (BCM) as an alternative to “bricks” used in Intermediate Bus Architecture applications. The BCMs come in a BGA SMT package, called the “VI Chip” or “VIC”, that is said to set unprecedented standards of performance, cost-effectiveness and power density. The 200W BCM Model B048K120T20 requires $0.85" \times 1.26"$ ($21.5 \text{ mm} \times 32 \text{ mm}$) of board space, less than $1/3$ the board area of intermediate bus

converters in quarter-brick style packages. Available in two mounting styles, it has an above-the-board height of 4 mm (in-board mounting) or 6 mm (on-board mounting). Power density is $800\text{W}/\text{in}^3$. The B048K120T10, rated at 100W, and B048K120T15, rated at 150W, support lower power applications in the same VIC package. The price of Bus Converter Modules starts at $12\text{c}/\text{W}$ in OEM quantities, packaged in JEDEC trays for automated pick and place. Delivery is six weeks A.R.O. **Vicor Express, 25 Frontage Rd., Andover, MA 01810-5413; (800) 735-6200; Fax: (978) 475-6715; www.vicorexp@vicr.com.**



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