



## Active EMI Filter for Telecom Bus Market Targets 48 V DC-DC Converter Applications



**NO. SMITHFIELD, RI, JUNE 24, 2004...** Picor, a subsidiary of Vicor Corporation (NASDAQ:VICR) today introduced the QPI-4 active EMI filter for 48 V DC-DC converter applications. Providing attenuation from 150 kHz to 30 MHz, the QPI-4 delivers over 40 dB of common-mode and more than 70 dB of differential-mode noise attenuation at 500 kHz. The QPI-4 is the latest member of Picor's active EMI filter family for the telecom bus market, and its compact 1.0 x 1.0 x 0.2 inch (25.4 x 25.4 x 5.1 mm) surface mount package offers board space savings of 50% to 80% over passive EMI filter solutions.

The QPI-4 meets the specifications for the international 36 to 76 Vdc telecom bus, including the 100 V, 100 ms surge requirement. Rated at 7A, the unit supports single

or multiple DC-DC converters requiring up to 336 W of input power at 48 volts input. The QPI's ratings support the PICMG® 3.0 Advanced Telecom Computing Architecture (ATCA) specification requiring system boards to be filtered to EN 55022 limits at 200 W per system board.

The QPI-4 requires only 20-30% of the volume and 30-50% of the area of similarly rated passive filters, saving crucial board space. The surface mount LGA package is rated for operation over a case temperature range of -40° to +100°C with an efficiency of 99%. Units may be placed in series for even higher attenuation.

The QPI-4 supports all DC-DC converters in IT, Telecom, and other 48 Vdc applications requiring efficient filtering in small spaces. The QPI-4 is packaged in anti-static tubes and is priced at \$12.53 per 1,000 piece quantity. Delivery: stock to 6 weeks.

For a data sheet and other information on the QPI-4L Active EMI Filter, please visit [www.picorpower.com](http://www.picorpower.com). To order, contact Vicor Express at 800-735-6200 or e-mail [custserv@vicorpower.com](mailto:custserv@vicorpower.com).

### EMAIL

[custserv@vicorpower.com](mailto:custserv@vicorpower.com).

### TECHNICAL CONTACT

Chester Firek  
Product Marketing Manager, Picor  
978-749-3373  
[cfirek@vicr.com](mailto:cfirek@vicr.com)

This press release contains certain forward-looking statements as that term is defined in the Private Securities Litigation Reform Act of 1995. You can identify these statements by our use of the words "may," "will," "would," "should," "plans," "expects," "anticipates," "believes," "is designed to," "continue," "estimate," "project," "intend," and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. These risks and uncertainties include our ability to develop new products cost-effectively and our ability to decrease manufacturing costs, as well as those risks and uncertainties identified in the Company's Annual Report on

Form 10-K. The risk factors contained in the Annual Report on Form 10-K may not be exhaustive. Therefore, the information contained in that Form 10-K should be read together with other reports and documents that the Company files with the SEC from time to time, which may supplement, modify, supersede or update those risk factors.

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