

AC-DC Power Supplies Meet Requirements of MIL-STD-810



Vicor Corporation's Westcor Division announced that elements of Westcor's proven configurable power supplies have now joined the ranks of Vicor's military COTS products as well. They include, specifically, PFC Mini MI and PFC Micro/MicroS MI power factor corrected AC-DC switchers; PFC MegaPAC MI power factor corrected AC-DC switcher; and FlatPAC-EN MI, an EN compliant, autoranging switcher.

The existing Vicor MIL-COTS power components ? Maxi, Mini, and Micro DC-DC Converters; MI-200/MI-J00 DC-DC Converters; VIPAC configurable power systems, and V•I Chip and VI BRICK Modules ? have earned acceptance in MIL-COTS applications where high performance, reliability, and low cost are critical.

"The new configurable power supplies, which offer all the benefits of custom power with no NRE, further extend the range of Vicor's already rich choices of MIL-COTS products," said Jeff Lally, Sr. Product Marketing Manager.

All four of the new members of the rugged MIL-COTS Family meet the vibration and shock requirements of MIL-STD-810. The three power-factor-corrected switchers meet MIL-STD-704F and MIL-STD-1399C for transients and overvoltage. All four comply with conducted emissions requirements of EN55022 Class A and Class B (configuration dependent). MIL-STD-461E will require an external filter.

Prototype quantities of new designs are typically delivered in less than two weeks. Prices are as low as \$0.60/Watt at 100 pieces. Contact the factory for exact lead times.

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The ISO 9001-2000 certified Westcor division of Vicor, located in Sunnyvale, California, designs and builds configurable AC-DC and DC-DC power supplies incorporating Vicor DC-DC converters and accessory components. For data sheets and additional information, please visit the Vicor website at www.vicorpower.com [1]. To order, contact Vicor Customer Service at 800-735-6200 or e-mail custserv@vicr.com [2].

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