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Elma Now Shipping Uniquely Designed Conduction-Cooled 1/2 ATR Box with 6-slot 3U VPX Backplane

Configuration Ensures Fast Removal of Dissipated Heat



FREMONT, Calif., February 2011 – Elma Electronic Inc., a leading supplier of embedded products and system solutions built on open standards-based platforms like VME, VPX, CompactPCI and ATCA, has released a new 1/2 ATR conduction-convection cooled enclosure with a unique, advanced airflow design that distributes air across external fins in sidewalls.

This new configuration helps to ensure fast removal of dissipated heat, yet still maintain a low profile design. It ships with a 6-slot 3U OpenVPX (VITA 65) backplane on 1" pitch; it is also available with either a 3U cPCI backplane or a single-width MicroTCA backplane. The unit also offers the choice of a fixed mount or plug-in 28 VDC power supply.

Elma's 1/2 ATR box is ideal for projects with weight restrictions; the unit weighs only 12.5 pounds prior to power supply or payload.

The all-aluminum ATR is made from milled plates as well as punched and formed sheet metal. The main body is dip-brazed for optimum heat conductivity. The conduction-cooled card cage is completely sealed off to keep the electronic components in a clean environment.

A removable front panel allows I/O customization to exact application requirements. Narrow screw spacing ensures high EMC shielding compliance to MIL-STD 461E. The enclosure meets ARINC 404A and ANSI/VITA 48.2 standards.

For more information, please visit [Elma's website](http://www.elma.com), contact Valerie Andrew at sales@elma.com, or call (510) 656-3400.

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