

Accessories

[thermal cooling products]

Wakefield-Vette offers precision clamps, wedgelocks, front panels and thermal interface material as a way to complete the packaged solution.

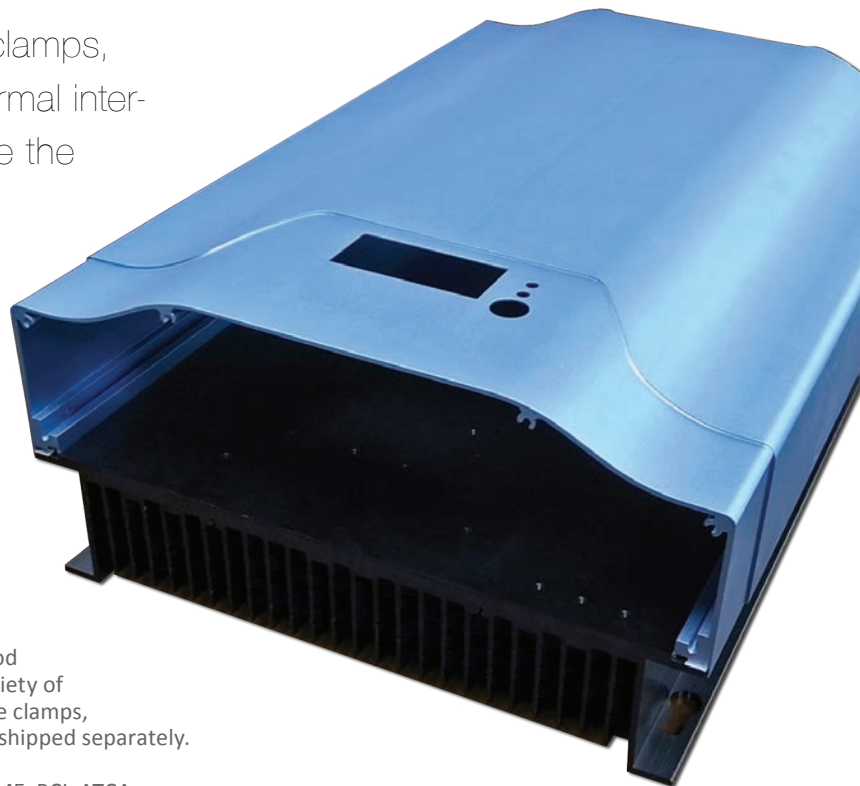
Precision clamps used to secure SCRs and other puck-style devices to the heat sink can be combined with the heat sink to form an easy to assemble kit. This kit could also include a thermal interface material. The interface material can also be applied to the heat sink prior to shipping to provide greater ease of assembly. Wakefield-Vette does offer a few standard interface materials (grease, epoxy), but we work with all interface material manufacturers and can pre-apply most materials to the heat sink.

Wakefield-Vette also offers a line of wedgelocks which are used with heat frames/conduction plates to provide the necessary clamping force to ensure good thermal transfer. The wedgelocks are offered in a variety of styles and profiles to suit your application. Just like the clamps, the wedgelocks can be kitted with the heat frames or shipped separately.

Wakefield-Vette offers front panels associated with VME, PCI, ATCA and other industry standards. We stock components from all major manufacturers of electronic packaging which can be installed on the front panels. Front panels can be delivered with or without silk-screening to meet the customer's final needs.

Wedgelocks

Wedgelock card retainers offer the highest locking force available for cold wall applications. In a typical application they will mount either directly to the PCB or to a heat frame assembly with screws or rivets, and are then inserted into a machined channel of a cold wall within a rugged enclosure.





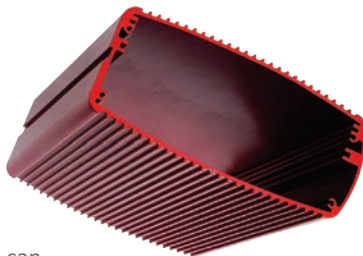
Product examples (from left to right): Encloser, Front Panel, Hi-Flow 300G

Front Panels

Wakefield-Vette manufactures custom front panels that are silk-screened, fully assembled, and ready to mount to your PCB. Parts are made from extrusion and manufactured on high-speed CNC machines to mill your custom details, providing a superior finish and precision fit to your board.

Enclosures

Wakefield-Vette manufactures Rugged ATR Enclosures compliant to ARINC 404A. Both conduction and convection cooled designs are available with cooling via cold plate mounting or natural convection. We can provide configurations allowing for various slot pitch, top or rear loading, for 3U, 6U or proprietary card size, and allowing for custom front panel cutouts for MIL connectors. Standard configurations for a ½ ATR Short are available, with other sizes available upon request



Precision Clamps

Wakefield-Vette compression pack heat sinks and clamps systems provide customers with the complete system solution for proper installation and heat dissipation for high-power compression pack semiconductors. These high-quality mounting clamp assemblies are the industry standard for mounting, compressing and clamping press-pack SCR, thyristors, rectifiers and other high power disc packaged devices. These style devices are most commonly found in power distribution equipment, industrial controls, transportation systems and power supply and conversion systems.

Find Out More:

About Accessories:

wakefield-vette.com/products/accessories

About wakefield-vette and other thermal solutions:

wakefield-vette.com

Thermal Interface Material

Thermal Interface Materials (TIM) are a secondary material installed between the heat sink and the device which are designed to improve the thermal transfer to the heat sink. Regardless of how flat or smooth the device and heat sink are, there will always be small air voids between the two surfaces.

Contact Us

Wakefield-Vette is Global. Global presence means our engineering, design, sales and support are close to our customers, in the Americas, Europe, Middle East and Asia. It means multi-national manufacturing and delivery. And it means a global Wakefield-Vette supply chain that can deliver, and provide support quickly, anywhere, with the highest quality solutions at the lowest landed cost.

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