

NEWSRELEASE

ENERTRON

Enertron, Inc.
100 W. Hoover, Suite 5
Mesa, AZ 85210

FOR IMMEDIATE RELEASE
Contact: Enisa Harris
Phone: 480-649-5400

ENERTRON DESIGNS COMPACT COOLER FOR POWER ELECTRONICS

Mesa, AZ - March 28, 2002 - Enertron, a leading developer of thermal solutions for electronic industries, recently announced the development of a compact cooler for power electronics. This compact cooler will dissipate as much as 150 Watts of heat in a 155 x 45 x 25 mm space.

The compact cooler was designed for power electronics with limited space for the thermal solution. Due to the space constraint, the heat is carried from the heat source to the heat sink using heat pipes. The heat sink is composed of highly efficient, thin, copper fins through which the heat pipes pass. Two 40 x 40 mm axial fans provide the required airflow. The total thermal resistance (q) of this compact cooler is 0.60°C/Watt.

The heat collector and heat sink are mechanically joined with the aluminum housing preventing stress on the heat pipes. The two fans are fastened to the housing creating a single thermal solution ready to be installed into the system.

The flexibility of this design is achieved with the use of heat pipes. The length of the heat pipes as well as their orientation can be adjusted to suit other applications, such as all-in-one desktop computers, enclosure cooling, telecom laser cooling, etc.

For more information on the power electronics compact cooler, or a custom designed cooler, contact Enertron at 1-877-ENERTRON or at info@enertron-inc.com.

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