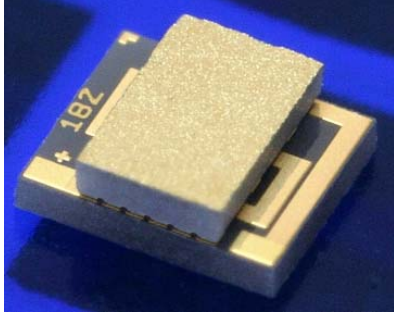


FOR IMMEDIATE RELEASE
October 13, 2009



For more information, contact:
Karl von Gunten
Nextreme Thermal Solutions, Inc.
(919) 597-7348
kvongunten@nextreme.com

Beth Gaddy
BtB Marketing Communications
(919) 872-8172
beth.gaddy@btbmarketing.com

Thermoelectric cooler certified for use within government and aerospace electronic systems...

NEXTREME'S OPTOCOOLER HV14 PASSES STRINGENT 3000G SHOCK TESTING STANDARD

DURHAM, N.C. (October 13, 2009) — Nextreme Thermal Solutions, the leader in microscale thermal and power management products for the electronics industry, today announced that its OptoCooler HV14 has passed the 3000g shock test as defined in the MIL-STD 883E Method 2002 Mechanical Shock standard.

The MIL-STD 883E Mechanical Shock standard establishes uniform methods, controls, and procedures for characterizing and screening microelectronic devices suitable for use within government and aerospace electronic systems. This includes basic environmental tests to determine resistance to the effects of natural elements and conditions surrounding government and space operations. The shock test is intended to determine the suitability of the devices for use in electronic equipment which may be subjected to severe shocks as a result of suddenly applied forces or abrupt changes in motion.

MIL-STD 883E calls for five shock pulses of 3,000g (peak) with a pulse duration of 0.3 milliseconds in each of the orientations X1, X2, Y1, Y2, Z1, and Z2. The modules showed less than a 5% change in electrical resistance as a result of the stress testing. The test report is available to qualified customers upon request.

"The use of thin films in conjunction with our semiconductor-based assembly process reduces the mass of our devices substantively," said Dave Koester, vice president of engineering at Nextreme. "Our thermoelectric coolers and power generation devices are inherently more resistant to shock and vibration than standard bulk devices while at the same time providing performance advantages."

The OptoCooler HV14 module is a high voltage and high heat pumping thermoelectric device that is designed to operate at standard electrical power requirements. At 85°C, the HV14 operates at a maximum voltage of 2.7V and can pump 1.5 watts of heat in a footprint of only 3mm². The module can create a maximum temperature differential (ΔT) of up to 60°C between its hot and cold sides with a zero heat load, making it ideally suited for the cooling and temperature control of optoelectronic devices such as laser diodes, avalanche photodiodes and high brightness LEDs.

-more-

Nextreme's HV14 Passes 3000G Shock Test, Page 2

The OptoCooler HV14 is RoHS compliant and is available for order now. Pricing is available upon request. More information on the OptoCooler family can be found at www.nextreme.com/optocooler. Contact Nextreme at 3908 Patriot Dr., Suite 140, Durham, NC 27703-8031; call (919)-597-7300; e-mail info@nextreme.com; or go to www.nextreme.com.

About Nextreme Thermal Solutions™, Inc.

Nextreme Thermal Solutions designs and manufactures microscale thermal and power management products for the electronics, telecommunications, semiconductor, consumer, and aerospace/government industries. The company uses breakthrough thin-film thermoelectric material to embed cooling, temperature control and power generation capabilities into the widely accepted copper pillar bumping process used in high-volume electronic packaging. Nextreme's headquarters and manufacturing facility are based near Research Triangle Park, North Carolina.

###

For additional information or to request the electronic image, please email beth.gaddy@btbmarketing.com or call 919-872-8172.