For Immediate Release

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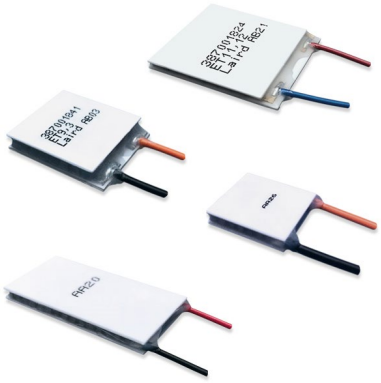

New Thermoelectric Cooler Series from Laird Designed for High Temperature Environments

The HiTemp ET Series thermoelectric coolers feature a proprietary construction to ensure no degradation in performance in high heat applications…

June 12, 2018 – Laird Thermal Systems has expanded its thermoelectric cooler product family to protect critical electronic devices in emerging applications found in high temperature environments. This typically occurs in outdoor environments where heat generated from surrounding electronics exceeds the temperature of sensitive electronics with maximum operating temperatures of 60~70°C. The HiTemp ET Series delivers spot cooling to ensure maximum temperature of device is not exceeded in ambient environments greater than its maximum operating temperature.

The HiTemp ET Series launch includes 53 models for engineers to choose from with a wide range of heat pumping capacities, geometric form factors and various input voltages to cover the wide range of applications Laird is gaining exposure to. Laird's enhanced thermoelectric cooler construction prevents copper diffusion, which commonly occurs for standard grade thermoelectric coolers in higher temperature environments and prevents degradation in their performance. The HiTemp construction also does not sacrifice performance for reliability like other high temperature coolers on the market. The product series maintains a high coefficient of performance (COP) to allow for maximum heat rejection into air environment even with poor heat sinking.

Many sensitive devices, such as lasers and CMOS sensors, are designed into autonomous systems for collision avoidance in vehicles and drones. Digital light processors (DLP) are used in 3-D machine vision, advanced lighting systems and projectors that may also require cooling in outdoor environments where ambient temperatures exceed its maximum operating temperature condition.

"Depending on the application, active cooling may be required to maintain temperatures of sensitive electronics below their maximum operating temperature. The HiTemp ET Series is a preferred cooling

method due to its proprietary construction that has shown to not degrade in this environment," said Andrew Dereka, Director Product Management at Laird Thermal Systems.

For more information, visit https://www.lairdthermal.com/products/product-series/hitemp-et-series

About Laird Thermal Systems
Laird Thermal Systems develops thermal management solutions for demanding applications across global medical, industrial, transportation and telecommunications markets. We manufacture one of the most diverse product portfolios in the industry ranging from active thermoelectric coolers and assemblies to temperature controllers and liquid cooling systems. Our engineers use advanced thermal modeling and management techniques to solve complex heat and temperature control problems. By offering a broad range of design, prototyping and in-house testing capabilities, we partner closely with our customers across the entire product development lifecycle to reduce risk and accelerate their time-to-market. Our global manufacturing and support resources help customers maximize productivity, uptime, performance and product quality. Laird Thermal Systems is the optimum choice for standard or custom thermal solutions. Learn more by visiting www.lairdthermal.com