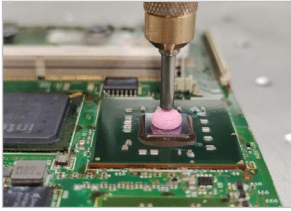


AUGUST 2023

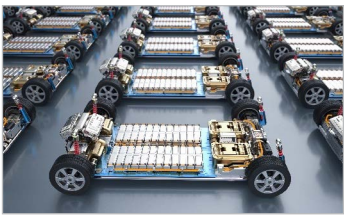
## ACHIEVE LOW THERMAL RESISTANCE, HIGH RELIABILITY USING TPUTTY™ 910



Today's design engineers must ensure top performance from more powerful chips which process substantial amounts of data at high speeds. As heat rises and grows excessively, complex design challenges also

arise. High heat loads in high-power applications can quickly cause reduced performance or device failure. Laird's newly introduced [Tputty™ 910](#) one-part liquid dispensable gap filler overcomes design roadblocks and offers design engineers reliable, thorough thermal transfer performance in even the most demanding applications. [Tputty™ 910](#) offers the lowest thermal resistance and highest thermal reliability available. Featuring 9.1 W/mK thermal conductivity, low bond line thickness, low contact resistance, and sought-after low outgassing, Tputty™ 910 is the ideal answer to mitigate heat in applications ranging from automotive multi-domain controllers to telecom base stations and more. As a dispensable solution, Tputty™ 910 is ideal for small and medium-sized gaps and exerts minimum stress on components. It is available in syringes, cartridges and one-gallon pails.

## HELPING ENSURE HIGH PERFORMANCE EV BATTERIES



In our new technical paper, *"The Intersection of Electric Isolation and Thermal Transfer in EV Battery Systems: OBC, Dc-Dc and Inverter,"* Laird probes myriad challenges which are potential roadblocks

to reliable, long-term thermal mitigation in electric vehicle batteries. Discussing how the emergence of next-gen EVs is also driving innovation across the entire electronics industry, the [technical paper](#) cites the contributions of advanced thermal interface materials. We link effective heat dissipation to EV battery electrical isolation, the requirements needed to produce effective isolation, and how high performance at elevated temperatures is being achieved. Laird also describes the importance of keeping EV batteries "happy" by ensuring as much cooling as possible. Attractive solutions are explored. Read this [technical paper](#) and grow your knowledge of trends and solutions helping shape the future of EV battery design engineering.

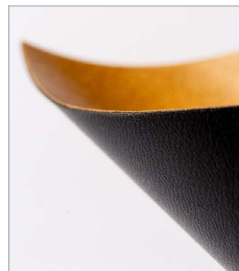
## ECOTEMP™ GASKETS: CUSTOMIZABLE EMI SHIELDING WHEN THE HEAT IS ON



Offering reliable performance in the -40°C to 125°C range and enabling thorough EMI shielding and grounding, our newly upgraded, high-temperature Laird™ [EcoTemp™](#)

Series fabric-over-foam gaskets are compressible upon application to 50% of their original height to aid compactness and come in a variety of customizable shapes for added design flexibility. Each product in the series is comprised of a conductive metallized fabric wrapped around a soft silicone foam core. Gaskets can be created with various cross-section profiles such as square, rectangular, hourglass, or trapezoid, and further customized to any specific application by die-cutting, hole punching, and notching. [EcoTemp™](#) gaskets can be supplied with either a non-conductive or electrically conductive pressure sensitive adhesive and can be equipped with an extended-release liner on the adhesive. Importantly, EcoTemp™ gaskets are halogen free and flame retardant. Order [samples](#) today.

## HOW TO SELECT THE RIGHT ABSORBER



Build your knowledge on more thoroughly suppressing radiated emissions by reading the helpful advice offered in a new Laird **feature article**, *Take a Holistic View When Selecting RF/Microwave Absorbers*. Laird expert Rick Johnson believes

that while acquiring knowledge is essential, decision makers also must discipline themselves to think holistically in successfully combatting low, moderate, fluctuating, or significantly high levels of electromagnetic interference and achieve compliance. He offers six considerations to weigh from the start of a project and provides in-depth analyses and recommendations for each. Later, Rick cites the significance of newly emerging absorber application technologies. (Laird™ [Robzorb™](#) is one example of a dispensable absorber solution introduced earlier in 2023.) He concludes his article by discussing strategies for cost savings, including choices for form factors which can cover both current and future EMI mitigation needs. Read the article [here](#).

## LEARN INNOVATIVE SOLUTIONS FOR AEROSPACE & DEFENSE COMPONENTS

Aerospace and defense design engineers must accommodate trends involving miniaturization and higher power, leading to increased heat and EMI challenges. At the same time, electronics must work flawlessly within extreme environments—from vapors and jet fuel to high temperatures. [Learn](#) how to save space in dense designs by overcoming multiple design challenges at once. One example offered in the video is Laird™ [GOF3000](#), a rugged, multifunctional solution. See this [video](#) today and learn about Laird solutions for the aerospace and defense industries.



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