

APRIL 2023

QUIET THE EMI WHEN THE HEAT IS ON



Suppress troublesome energy coupling, resonances or surface currents leading to EMI issues using Laird's new [NoiseSorb™ NS1000HTRC](#), a thin near field noise suppression absorber. It offers high magnetic

permeability and superior temperature stability. Teams developing automotive, telecom, and industrial applications will find NS1000HTRC performs reliability at working temperatures of up to 125° C. It is one of the only noise suppressor absorbers on the market that can withstand this level of heat and maintain reflow process compliance aligned with SMT mounting process. With a thickness of 0.1mm and 0.2mm, our [high heat noise suppressor absorber](#) (frequency range 20 MHz - 3 GHz) is an ideal solution for one-piece board level EMI shielding. Several applications include car navigation and infotainment systems, lidar systems, power management systems, Wi-Fi modules, and sensors. Contact us about [NoiseSorb™ NS1000HTRC](#) today.

BROWSE THERMAL INTERFACE SOLUTIONS

Laird delivers fast when teaming with you to tackle complex heat issues. Get started with our comprehensive, newly updated [Thermal Interface Solutions](#). The booklet describes Laird's line



of industry-leading thermal interface materials, each engineered to resolve excessive thermal loads which are exacerbated by faster, higher power, and more densely packed components and systems. Included are overviews and specifications of the line of thermal pads and liquid gap fillers. Our soft, thin, or ultra-thin thermal pads are complemented by Laird's line of stress minimizing, one- and two-part liquid gap fillers. Additional sections cover thermal phase change materials, thermal greases, electrically isolating insulators, thermally conductive printed circuit boards, and graphite materials. Review our [booklet](#) today and take five minutes to see our experts discuss heat transfer issues within [data centers](#).

LAIRD, DUPONT EV BATTERY SOLUTIONS

THE BATTERY SHOW EUROPE

Laird and DuPont are teaming to participate in The Battery Show Europe, May 23-25, to be held at Stuttgart's Messe exhibit hall. We will introduce new ways to dissipate heat and provide electrical insulation. The focus is on power electronics devices along with any electronics controllers used in EV vehicles. Visit Laird and DuPont in stand 8-E10 and [contact](#) our team.

COMING SOON: REZORB S

Watch for Laird's introduction of wide-frequency band ReZorb™ S, an advanced elastomeric absorber. ReZorb™ S will feature a unique, pyramidal design and is developed to limit noise, EMI disturbance, antenna side lobe distortion, and any unwanted reflections in transceiver/receiver environments.

ANSWERS FOR AEROSPACE AND DEFENSE

Critical solutions borne from Laird's decades of experience in aerospace and defense are highlighted in [Protection for Protectors](#), another newly produced online destination. You will find high-performance electronic protection



solutions and gain insights on creating innovative products for aerospace, defense communications, electronic countermeasures, and naval applications. Many Laird™ brand RF/microwave absorber products are ruggedized

and tested-tough to withstand harsh environmental conditions such as corrosive fuels, salt water, dirt, humidity, and extreme temperature swings. Visit the page and learn more.

REDUCE RADAR REFLECTIONS

Design engineers working on autonomous driving applications need answers to successfully integrate radars into car bodies without degrading signal integrity. Watch this episode of [Insights Engineered](#) and its application engineer



discussion on how design engineers can overcome the complex challenges they face and support the advancement of autonomous driving. Highlighted is [Laird™ ReZorb™ thermoplastic](#), the injection molded material now helping significantly reduce radar reflections and also serving as a structural radar bracket. Flexible silicone based version of ReZorb™ to come soon

CAPITALIZE ON PRODUCT SELECTION TOOLS



Limit time-consuming online searches of widespread performance data and related information when selecting a product by using Laird's new toolbox. Visit our new [Product Selection Tools](#) webpage for

quick and convenient access to a broad range of searchable product information tools and other resources. The product tools webpage includes links to resources such as SnapEDA and Laird's Virtual Design Center, as well as directions on how to immediately purchase products. It provides a single access point for information-seeking design engineers. Use this "toolbox" to help you avoid excessive page-hopping or repeat searches, guide you when asking questions of application engineering personnel, and save time by better streamlining your work processes. Visit and regularly use Laird's [Product Selection Tools](#).

