



Wirewound Transformer Solutions

HIREL and HITEMP custom magnetic components designed for high reliability in adverse conditions.

NASCENTechnology's Wirewound Transformer Solutions

Wire-wound technology has been in existence for over 100 years, and these magnetic components are still the work horses in many industries. NASCENTechnology stays on top of emerging materials and processes, integrating them into our custom magnetic component designs.

Employing well-known standard or highly customized encapsulation systems, we specialize in working with our customers to manufacture HIREL and HITEMP custom magnetic components for high reliability in adverse conditions. Although our forte is in custom flyback and pulse transformers, we accept the challenge of designing any component others may find too difficult.



Contract Reliability Testing

NASCENTechnology can contract with you for reliability testing on your current products. We can develop test routines for specific end users in relevant environments. Not our design? Not a problem.

Standard Product Application Based Reliability Testing

NASCENTechnology is familiar with the reliability requirements, standards, and end use applications of LTCC products delivered within the HIREL markets we serve. Within the same market there are often subtle differences from one application to another. In most cases, you will find that we can empower you to assess a product's performance within your application by providing you with on-hand reliability test reports.

Custom Product Reliability Testing

If we design a custom product for you, your reliability requirements will be part of the conversation resulting in a true Design For Reliability consideration. Following that, we can perform the critical reliability testing for you or we can provide the product for your internal proprietary reliability testing purposes.



NASCENTechnology

NASCENTechnology Manufacturing, a Standex Electronics company, manufactures High-Reliability transformers and inductors for military and other markets where field deployed failure is not an option.

NASCENTechnology has been manufacturing multilayer ceramic flyback transformers for the military UAV market more than a decade. Customers choose our parts in the electronic safe and arm circuitry and DC-DC converters in UAV applications because our transformers are smaller, lighter, and can handle extreme shock and vibration over a wide temperature range enabling systems to fly farther, faster, and loiter longer. NASCENTechnology parts are included in the U.S. military's very first Replicator program UAVs and are in full rate production for that application today.

If LTCC package options are not feasible electromagnetically, NASCENTechnology will also design and manufacture custom wire-wound products with a focus on producing parts that are small yet highly reliable in extreme conditions.

To discuss your program requirements or request a quotation, please contact:

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Products include:

- Flyback
- Pulse
- High Voltage
- Current Sense
- Inductors
- Common Mode Chokes
- Boost/Buck
- Other Specialized Designs



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