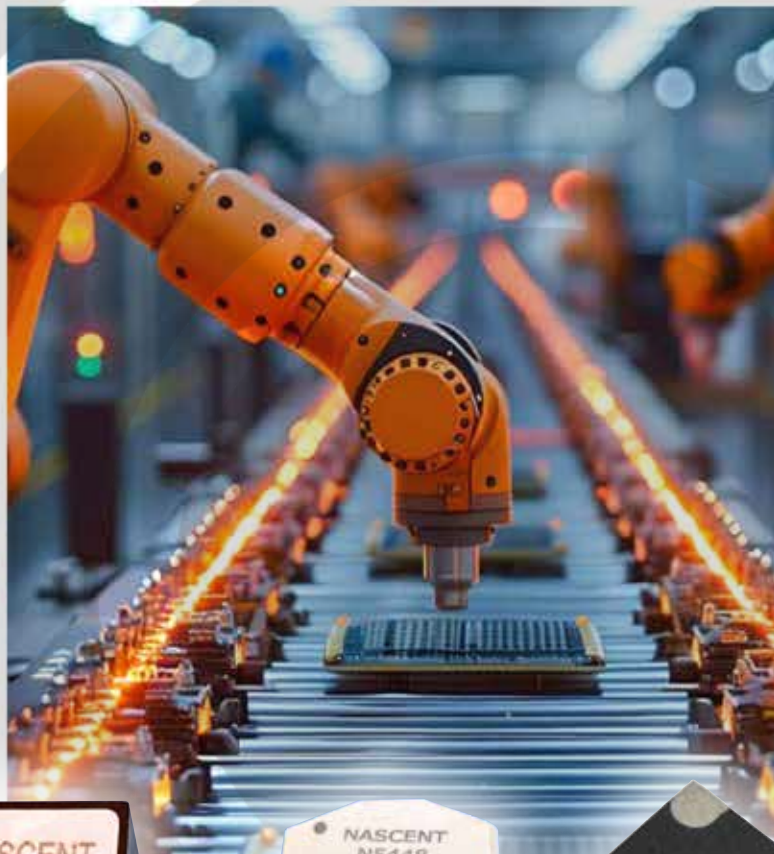


Multi-Market Magnetic Solutions

HIREL and HITEMP custom magnetic components serving the Defense / Aerospace, Down-Hole Oil & Gas, Agriculture, Construction, Medical, Geothermal, and Industrial Markets.

NASCENTechnology's Multi-Market Magnetic Solutions

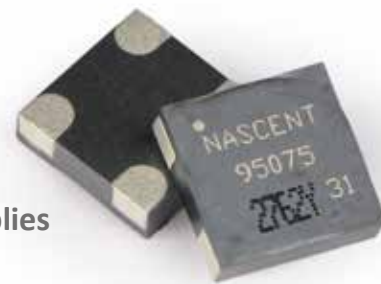
NASCENTechnology is comprised of experienced, highly qualified individuals whose combined expertise in design, materials, and the manufacture of LTCC and wire-wound electrical components have helped move transformers into the future.

NASCENTechnology focuses on HIREL and HITEMP magnetic component applications ranging from milliwatts up to 250 watts of power. Our LTCC and custom wire-wound designs find homes in all of the following markets:

- Defense / Aerospace
- Down-Hole Oil & Gas
- Agriculture & Construction
- Medical
- Geothermal
- Industrial
- HIREL Build-to-Print
- Replacement for obsolete components

The NASCENTechnology magnetic component types serving these markets include:

- Flyback
- Push-Pull
- Forward Converter
- Pulse
- Current Sense
- Common Mode Chokes
- Boost/Buck Inductors
- Reactors
- Other specialized assemblies



NASCENTechnology serializes each part for complete traceability unless a customer specifically requests that we do not serialize.

PIONEERING THE FUTURE: Research & Development

NASCENTechnology devotes a much higher percentage of its annual revenues to internal research and development than a majority of businesses. For nearly two decades, NASCENTechnology has partnered with customers and consortiums in the research and development of magnetic components. This two-pronged approach results in a constant advancement of the unique multilayer ceramic transformer technology we pioneered.

We are constantly seeking new applications needing a magnetic component or module with mechanical or reliability requirements above those met with the standard wire-wound technology. It is on these types of projects that we are most interested in collaborating.

Our research interests include:

- High temperature magnetic material development
- Integration of multi-layer magnetic structures with other passive components
- Enhancement of the magnetic properties of low temperature, co-fireable ferrite powders and dielectrics
- Further development of the processes for applying and combining magnetic materials with co-fireable dielectrics and conductors into 3-dimensional structures
- Advancement of the reliability of wire-wound magnetic components in extremely adverse operating conditions



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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