

Medical Market Applications

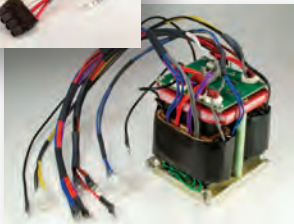
Custom Transformers and Electronic Assemblies



Custom designed Standex electronic components are used in a wide variety of medical devices and assemblies. Design engineers rely on us to provide custom transformers, power supplies and electronic components that work the first time – and every time. We can supply value-added features like molding, connectors, and complete shelf-ready assemblies – which shorten manufacturing time and costs.

Our global footprint means that we can manufacture components close to where you need them – reducing transit times and delivery costs, and simplifying your supply chain management. When you need custom transformers, magnetic reed switches for non-contact position sensing, current-sense transformers, inductors, antennae and more – contact Standex for components that are “just what the doctor ordered.”

Our robust designs are available as single components – or can be combined with ancillary services such as wiring harnesses, leads, molding, stamping, even integration into upstream/downstream components to simplify installation and reduce costs.



Custom Standex parts for medical applications:

- Magnetic reed switches for non-contact position sensing for hearing aids
- High-frequency custom transformers for MRI and High Definition (HD) video imaging
- High-current, high-frequency, common-mode choke
- High-frequency, PC-mount transformers
- Current sense transformers for surgical and procedure tables
- High-frequency, high-current magnetics
- Surface mount high-frequency transformers
- Surface-mount insert-molded power inductors for dental chair
- Dental lighting
- Self-supported air windings for antenna and other radio transmit-receive applications

Capabilities include:

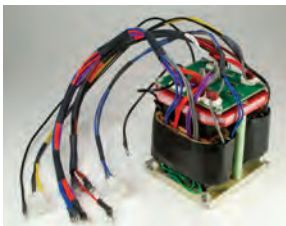
- Connector & Terminal Engineering
- Hi-volume, Progressive Die Stamping
- Experienced in UL, CSA, IEC, TUV & VDE Standards
- Mechanical Engineering & Electronic Component Packing
- 3-D Solid Modeling Design
- Plastic Molding Capabilities
- Wire Prep and Wire Harness Assembly
- Rapid Prototyping
- Glass to Metal Sealing
- Laser welding
- Magnetic component engineering
- Power Supply & Other Systems Engineering
- 52ga - 8ga & Foil Magnetic Component Winding
- Wind and Assemble all core shapes and types including Laminated
- Sensor & Reed Switch Engineering
- Complete lab & test capabilities for Mil/Aero, automotive and other industries as required

**Contact Standex today
for components
that are “just what the
doctor ordered”.**

Medical Market Product Guide

Laboratory test capabilities for Medical applications:

- Thermal Shock Testing (-70°C to 200°C, LN2 boost assures less than a 5 minute air-temperature recovery time).
- Thermal Cycle Testing (-68°C to 177°C)
- Humidity Testing (-18°C to 93°C, 98% RH, cycle temp or steady state).
- Vibration Testing (Sine or Random profile, 1" pk-pk displacement, 0 to 80 g pk, 5 to 2000 HZ)
- Mechanical Shock Drop Testing (½ sine 50g 11ms, ½ sine 1500g .5ms, or sawtooth 100g 6ms)
- Hi Temp Testing (Up to 260°C)
- Salt Fog Testing
- Solderability Testing



High frequency transformer for medical imaging application



Custom magnetics to fit any need



Surface Mount Devices for non-contact position sensing



High frequency toroidal and bobbin-wound magnetic components



Magnetic Reed Switches for non-contact position sensing



High powered toroidal for medical applications



Current Sense Transformers



Conductive liquid level sensor