

Medical Market Applications



Contact Information:

Standex-Meder Electronics
Headquarter
4538 Camberwell Road
Cincinnati, OH 45209 USA

Standex Americas (OH)
+1.866.STANDEX
(+1.866.782.6339)
info@standexelectronics.com

Meder Americas (MA)
+1.800.870.5385
salesusa@standexmeder.com

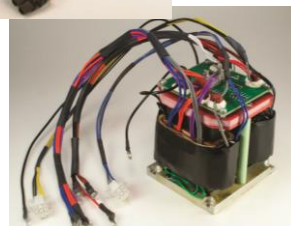
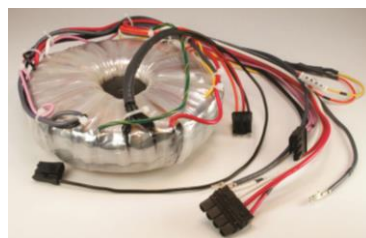
Standex-Meder Asia (Shanghai)
+86.21.37820625
salesasia@meder.com

Standex-Meder Europe
(Germany)
+49.7731.8399.0
info@standexmeder.com

Custom designed Standex-Meder 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, antennas and more.

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-Meder parts for medical applications:

- Magnetic reed switches for non-contact position sensing for hearing aids
- High-frequency custom transformers for MRI & 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 & 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 Packaging
- 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 & Assemble all core shapes & types including Laminated
- Sensor & Reed Switch Engineering
- Complete lab & test capabilities for Mil/Aero, automotive & other industries as required

Product Solutions

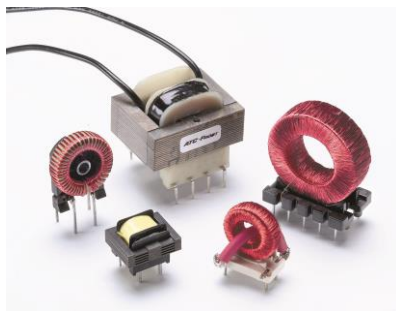
Laboratory test capabilities for Marine applications:

- 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" pkpk 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

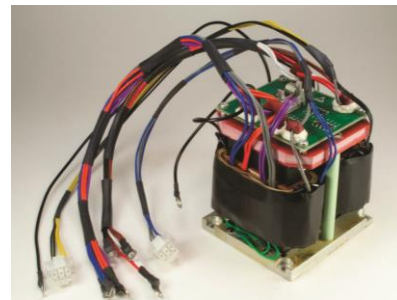
Surface Mount
Devices for non-
contact position
sensing



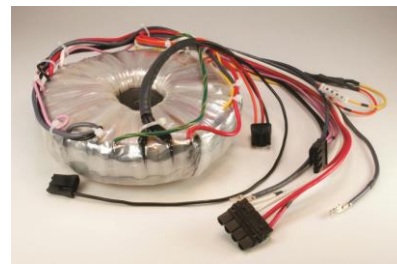
Custom magnetic to
fit any need



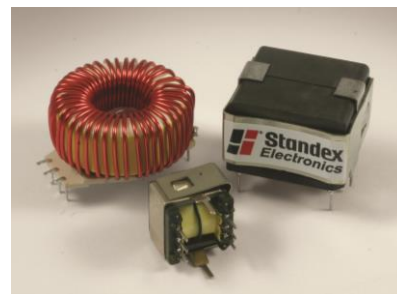
Magnetic reed
switches for position
sensing



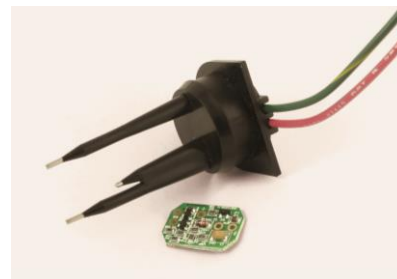
High frequency trans-
former for medical
imaging application



High frequency
toroidal for medical
applications



High frequency
toroidal and bobbin
wound magnetic
components



Conductive liquid
level sensor



Current Sense
Transformers