



Medication Dispensing

- Reflective object sensors for better contrast detection
- Custom OPR Hybrid (SMCC) to count tablets and pills



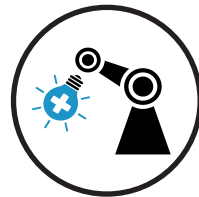
MRI Machines

- Custom magnetic solutions for laminated high current, high inductance value
- Slotted sensor with dust protection and fine mechanical resolution to detect a 360 ° hoop frame
- Hybrid precision potentiometer for position feedback



Surgical Equipment

- Ultra-fine wire winding coils
- Custom transformers and inductors
- AEC-Q200 approved standard and custom magnetics
- 3-axis transmit and receive coils for surgical navigation

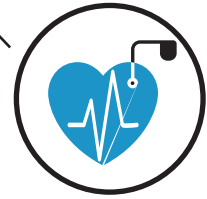


Surgery Light

- Custom VLED lighting assembly with drive circuitry, optics and thermal management design

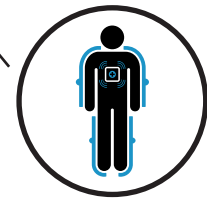
Patient Monitoring and Diagnostic Equipment

- Slotted switch with custom wire harness used to detect blood or saline in test tubes
- Surface-mount common mode chokes
- Small-profile photodiode that detects multiple wavelengths in the near-IR spectrum
- Custom potentiometer to monitor piston position in respirator machine



Implantable Devices

- Custom inductor with low DCR
- Antenna/telemetry coils for implantable and programming devices
- Primary/secondary coils for wireless charging of implants
- Field generation coils and assemblies



Immunoassay Analyzers

- Extensive portfolio of standard low-profile, wide-gap, slotted switches available with a custom cable assembly

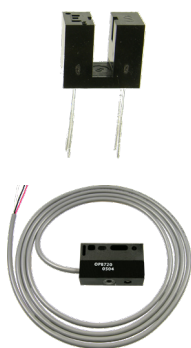


Defibrillators

- Reduced size HVP, high voltage planar resistor, with high density epoxy coating
- High voltage transformers and inductors for implantable defibrillator

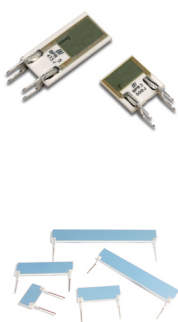


Product Line Card - Components for Medical Applications



Reflective and Slotted Switches

- Broad portfolio of optical switches
- Custom designs at OEM volumes, including the integration of PCBs, cables, and connectors
- Light weight and long life cycle
- Wide variety of package sizes, sensitivities, and materials, including hermetic
- Superior sealing capabilities



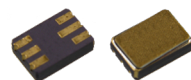
Surge/Pulse Resistors

- Planar surge resistors meet high energy requirements in compact space
- Pulse withstanding double-sided and untrimmed chip resistors
- High surge wirewound resistors
- Resistors qualified and released to custom surge specifications
- Customization available



Common Mode Chokes

- Designed for severe duty AEC-Q200 applications
- Wide range of inductances and package sizes
- High current applications to 120A
- High temperatures applications to 220°C
- Magnetic shielding option
- Corrosion resistant



VLEDs and Photodiodes

- Custom VLEDs with unique shaped PCB assembly
- High-performance LEDs
- Surface-mountable and small-profile photodiodes
- Customization available for photodiode die size and package material



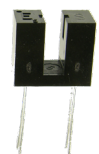
Transformers

- Standard and custom designs
- Isolation voltages to 4200Vac
- Power levels to 3kW
- Reinforced isolation available
- Robust performance characteristics
- Harsh environment capability
- High power density
- Low power losses
- Cost-effective solution



Ultra-Fine Wire Winding

- Unique-in-the-industry angular winding configurations
- Wires as small as 1/10th of a human hair
- 55°C angle to the coil axis
- Improve signal intensity for optimal sensing performance



Position and Proximity Switches

- Reflective and interrupter optical sensor and potentiometer designs
- Custom designs at OEM volumes
- Shorter lead times than other off-the-shelf solutions
- Long life cycle
- Light weight
- Various package sizes and materials, including hermetic
- Superior sealing capabilities



High Power Inductors

- Designed for severe duty applications per MIL-STD-202 standards
- Wide range of inductances and package sizes
- High current applications to 120A
- High temperatures applications to 220°C
- Magnetic shielding option
- Corrosion resistant



Coils

- 5DOF sensor coils with film-insulated copper
- 6DOF slanted sensor coils with enhanced signal intensity
- 3-axis transmit coils with unlimited variations available in size and field strength
- Flexible telemetry and charging coils

