

Global Manufacturing Services

- Global footprint, local fingerprint
- Highly engineered end-to-end solutions
- Low volume, high mix
- Nadcap accredited manufacturing facilities

Packaging Equipment

- Rotary switches
- Proximity sensors
- Slotted optical switches

Security and Safety

- Optical detection of lock position
- High-reliability GaAs infrared emitting diodes
- Slotted optical switches
- Precision potentiometers

DAB Broadcast

- RF Power MOSFETs

HVAC / HVDC / Industrial Valves

- Fiber optic devices
- Non-contacting Hall Effect position sensors
- Single turn potentiometers

Power Monitoring/Supplies

- Surge and pulse resistors
- Precision resistors
- High power and voltage resistors

Printing and Labelling Equipment

- Slotted optical switches
- Right angle optical switches
- Infrared reflective sensors
- Hybrid precision potentiometers

Automation and Robotics

- Phased array sensors
- Point source LEDs
- Infrared components
- Current sense resistors

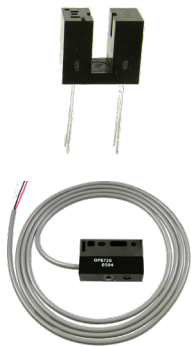
Aerial Lifts and Platforms

- Hybrid potentiometers
- Industrial grade panel potentiometers
- Non-contacting Hall Effect position sensors

Forklifts and Factory Vehicles

- Electric power steering sensors
- Panel potentiometers for joystick and speed controls
- Common mode chokes

Product Line Card - Components for Industrial Applications



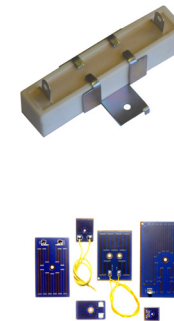
Reflective and Slotted Switches

- 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



Steering Sensors for EPS

- High performance and smooth feedback
- Provides critical high accuracy torque and angle information
- Redundant outputs for full diagnostics to ensure safety
- Non-contacting and contacting options readily available
- Over 20 million units installed worldwide



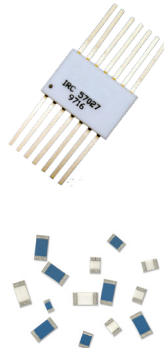
High Voltage/Power Resistors

- Products available across the HV range up to 100kV
- Integrated high voltage dividers
- Low-profile, thick film on steel technology
- Wirewound resistors up to 300W



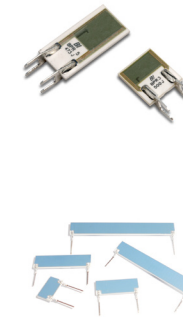
Fiber Optics

- Point source GaAIAs LEDs
- Integrated receivers
- Photodiodes
- ST-connectorized components (actively aligned)
- VCSELs



Precision Resistors

- Tantalum nitride (TaNFilm®) technology for excellent performance far superior to military requirements
- High degree of reliability and stability with low noise
- Laser trimmed for tight tolerance and TCR tracking
- Custom schematics available
- Key component in engine controls



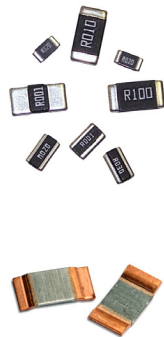
Surge/Pulse Resistors

- 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



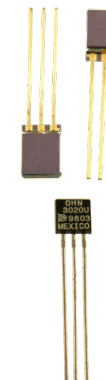
Potentiometers & Trimmers

- Large portfolio of customizable potentiometers and trimmers
- Non-contacting, contacting, and hollow shaft rotary positioning
- Highly reliable packages available in a variety of sizes with multiple mounting options
- Highly accurate with precise outputs
- Offers enhanced design flexibility



Current Sense Resistors

- Vast portfolio of standard resistive current sense products
- Can be adapted or designed to meet specific application requirements
- Resistance values down to 50 $\mu\Omega$
- For measurement of currents up to 600A



Hall-Effect Devices

- Reliable performance up to S level
- Extended service life
- Plastic and ceramic packages
- Hall-effect magnetic sensing (unipolar, bipolar, and ratiometric outputs)
- Excellent temperature stability
- MIL-STD-883, 100% processing and QCI