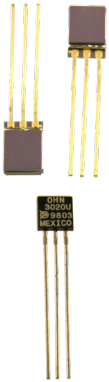


TT Electronics Component Product Line Card

www.ttelectronics.com
sensors@ttelectronics.com



Hall-Effect Devices

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



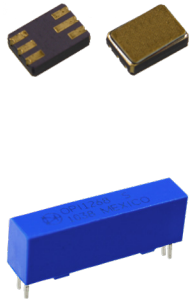
Fiber Optics

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



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



Optoisolators & JAN Isolators

- Choice of hermetically sealed TO-78 or surface mountable SMD/LCC package
- Isolation voltages ranging from 6KV to 50 KV
- Creepage of 32 mm or higher available for demanding applications
- High dV/dt for electrical noise immunity



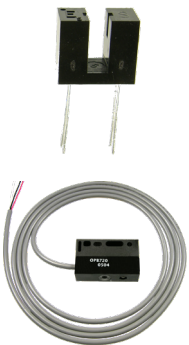
Potentiometers & Trimmers

- 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



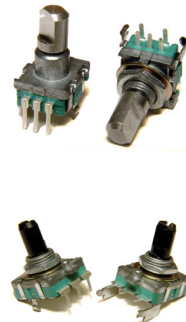
Pressure

- Operates over a wide temperature range with high overpressure capability
- Range offers outstanding linearity
- Features high-grade ceramic to ensure high quality, high reliability Sensit pressure sensors
- Intrinsically safe versions available



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



Encoders

- Superior quality and performance
- Customized tactile feel
- Constructed with robust, reliable materials
- Long life cycles
- Ability to cater to customization requests such as value-add assemblies and unique shaft and housing requirements



Flow

- Flow measurement technologies using 'variable area', ultrasonic turbine and laminar flow principles are available
- Advanced manufacturing processes enable class-leading performance in accuracy and lead times
- Wide range of products and specifications available

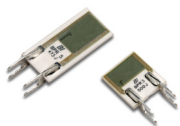
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Temperature

- Large portfolio of thermocouples and temperature probes
- Offer both standard and custom designs fully supported by a technical help desk for application solutions
- Full range of associated accessories and instrumentation
- Fast delivery for urgent requirements



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

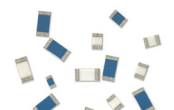
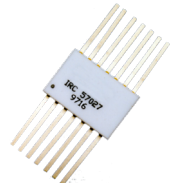
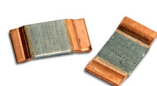
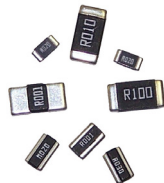


Power Inductors & Chokes

- Designed for severe duty applications per AEC-Q200 standard for automotive parts
- Wide range of inductances and package sizes
- High power density and high efficiency
- High temperature applications to 220°C
- Magnetic shielding option

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 50μΩ
- For measurement of currents up to 600A



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

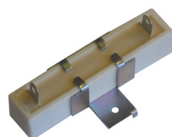


RF Power MOSFETs

- 100+ device options in portfolio
- Ultra wide band: 1MHz-1GHz
- Wide power range: 750mW-400W
- Exceptionally low feedback capacitance
- High gain via reduced Miller Effect
- Low Rds(on) for high efficiency
- High breakdown voltage for exceptional ruggedness
- Excellent thermal stability

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



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



Discrete Semiconductors

- Wide range of modern and traditional packages
- Screening to highest international standards
- Support long service life
- Designed into multiple mission critical applications for some of the most globally recognized civil and military aircraft

