

Committed to excellence



YAGEO GROUP

YAGEO GROUP
BUILT INTO TOMORROW

V1.2

YAGEO GROUP
YAGEO

YAGEO GROUP
KEMET

YAGEO GROUP
PULSE

Content

Chip Resistors04

Circuit Protection Components05

Through Hole Resistors06

MLCC Multilayer Ceramic Capacitors07

Ceramic Capacitors08

Polymer / Tantalum / SuperCapacitors09

Film Capacitors10

Aluminum Electrolytic Capacitors11

Sensors & Actuators12

Magnetics13

Specialized Power14–15


Wired Communications16


Wireless Components17


Standard Power18


Pt RTD Sensors19


Our Product Portfolio


 Semiconductors


 Passive Components

 Electromechanical Components


 Displays & Monitors

 Boards & Systems


 Storage Technologies


 Wireless Technologies


Our Initiatives












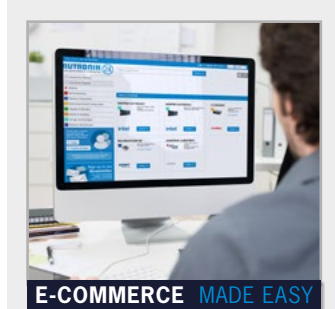








next generation e-commerce



E-COMMERCE MADE EASY

www.rutronik24.com

Committed to excellence

Consult – Know-how. Built-in.

The Technical Competence from RUTRONIK

Worldwide and individual consulting on the spot by competent sales staff, application engineers & product specialists.

Components – Variety. Built-in.

The Product Portfolio from RUTRONIK

Wide product range of semiconductors, passive and electromechanical components, displays & monitors, boards & systems, storage and wireless technologies for optimum coverage of your needs.

Logistics – Reliability. Built-in.

The Delivery Service from RUTRONIK

Innovative and flexible solutions: from supply chain management to individual logistics systems.

Quality – Security. Built-in.

Quality without Compromise from RUTRONIK

The integrated management system (IMS) encompasses quality control, information security, environmental protection, occupational health and safety.







YAGEO Group – Built into Tomorrow

YAGEO Group’s Leading Market Position

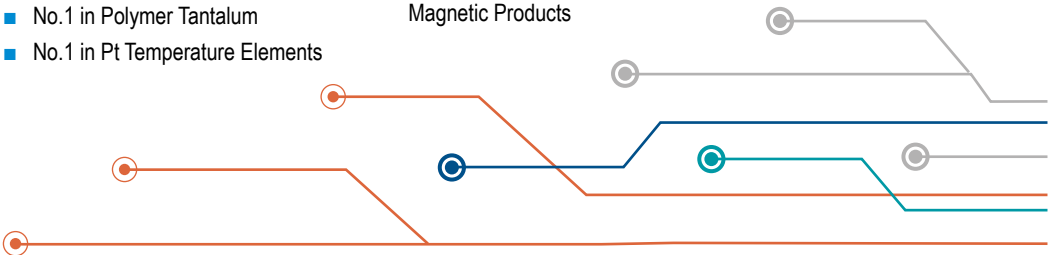
- No.1 in Chip Resistors

No.1 in Discrete LAN Magnetics

No.1 in Polymer Tantalum


No.1 in Pt Temperature Elements
- No.3 in Ceramic Capacitors (MLCC)


No.3 in Inductors and Automotive Magnetic Products





More about YAGEO Group














Chip Resistors

MLCCs

Leaded Resistors

Circuit Protection

Tantalum

MLCCs

Film / E-Caps

Sensors & Actuators

Magnetics

EMC/EMI Components

Power Magnetics

Transformators

Antennas & LTCC Filters

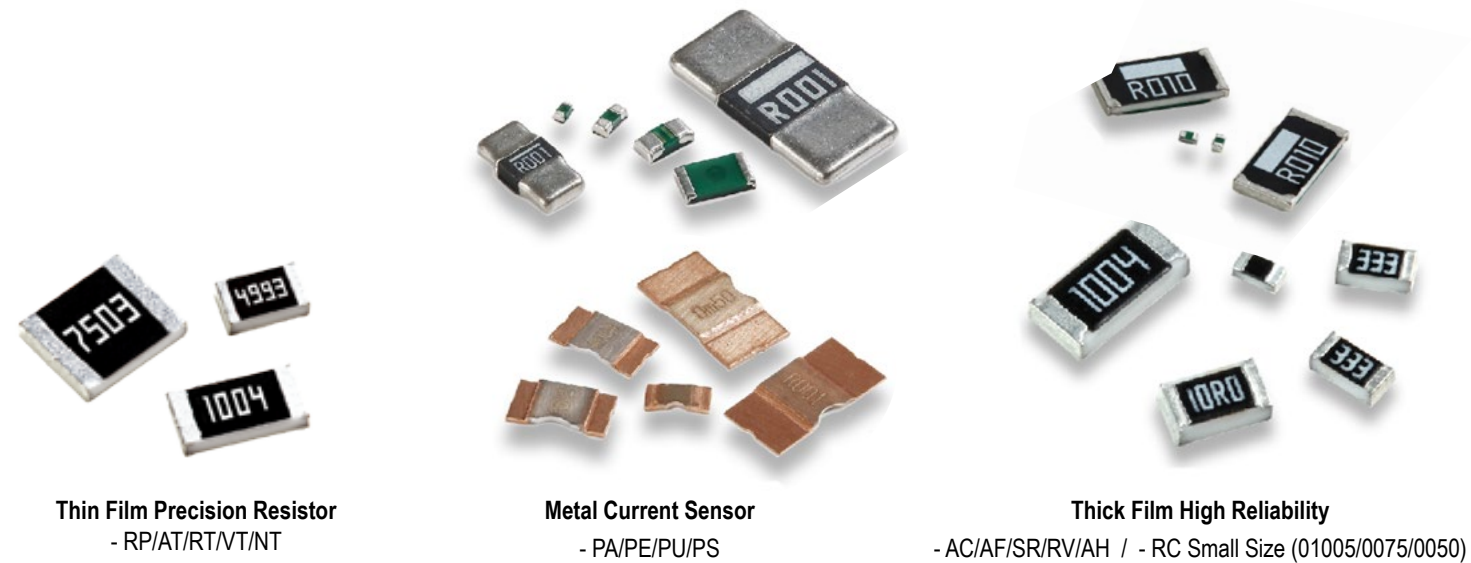
PT RTD Sensors

PCB

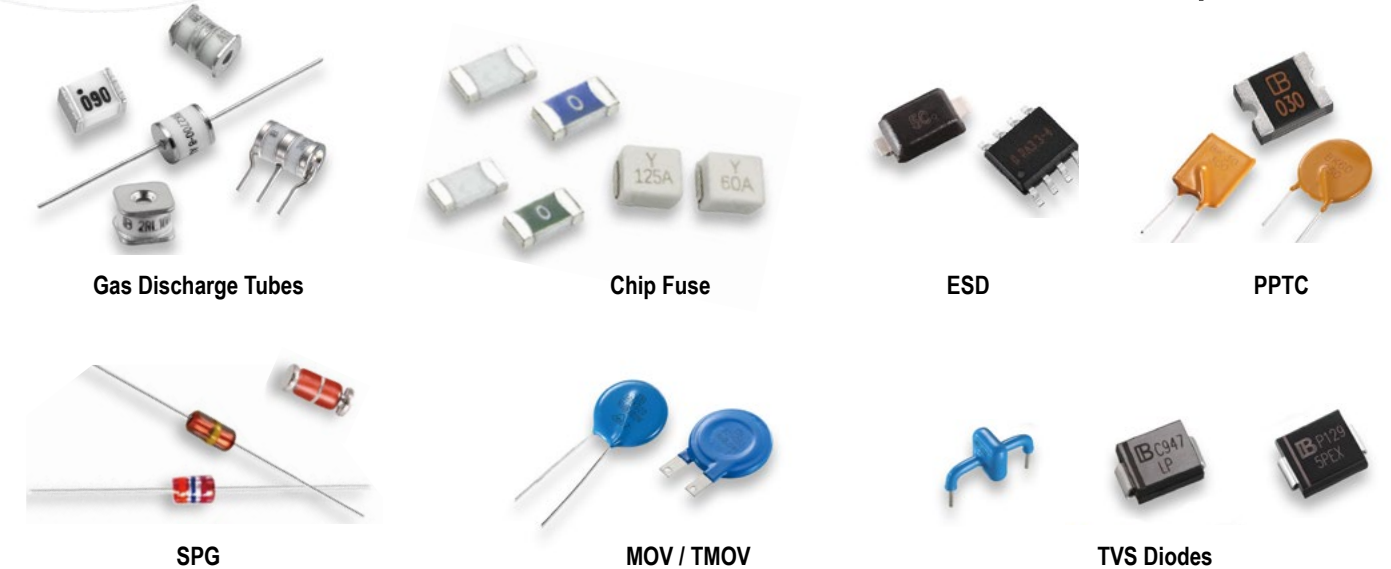
Sensor Assemblies

Sensor Elements with Wires

Chip Resistors



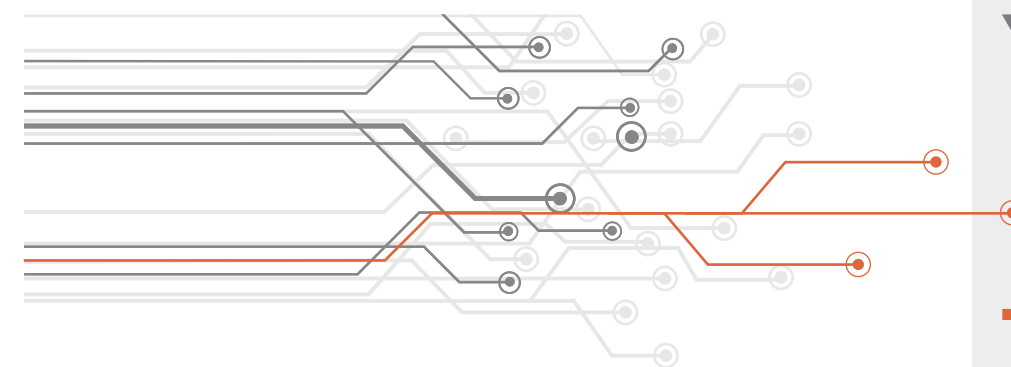
Circuit Protection Components



- World's 1st with 30%+ of global capacity
- 1st to launch metal current sensor 01005
- Obtains UL 2799A, the Highest Platinum Rating for Zero Waste to Landfill
- Sulfur Resistant & High Stability
- Sustainability Product, Lead Free Option
- AEC-Q200 qualified (for Automotive Grade)



- Our wide product portfolio fulfills most customer needs, making us a top choice for your primary sourcing
- Market leading at overcurrent and overvoltage protection feature
- Fully vertically integrated semiconductor manufacturing process



Through Hole Resistors



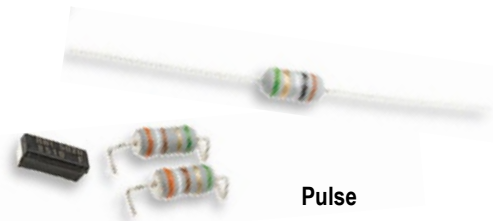
Melf



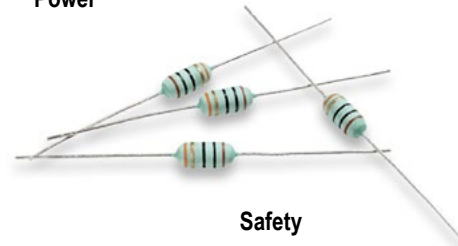
Power



Shunt Resistors



Pulse



Safety

MLCC Multilayer Ceramic Capacitors



High Voltage
- HV



High Frequency
- CQ / AQ



Soft Termination
- CS / AS

High Capacitance & High Voltage
- HCV X7R

High Capacitance
- HC



Automotive Grade
- AC

YAGEO GROUP
YAGEO

- One of the major market providers
- 3 factories in Asia and Europe
- 90 years of manufacturing experience in Through-hole resistors
- AEC-Q200 qualified (for Automotive Grade)
- IATF16949 certified
- UL, VDE certified



Automotive



Industrial



Alternative Energy



Power



Consumer Electronics



Automotive



Industrial



Communication

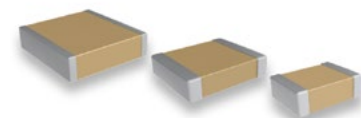


Consumer Electronics

YAGEO GROUP
YAGEO

- Various case sizes from 01005 to 2220 (inch)
- High capacitances for Class I and Class II
- Complete high frequency product range up to 150°C
- AEC-Q200 qualified for Automotive Grade
- Rated voltage up to 3KV

Ceramic Capacitors



KC-LINK™
For Fast Switching Semiconductors



KONNEKT™
High-efficiency and High-Density Power Applications



HiQ-CBR RF
Automotive Grade



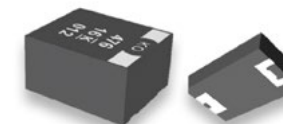
Flex Mitigation
Flex Term, VW80808, Open Mode, Floating Electrode, KPS



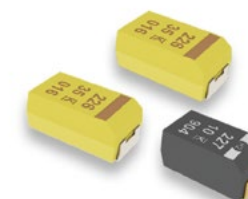
Safety Certified and AC Rated
SMD and Lead

Polymer / Tantalum / SuperCapacitors

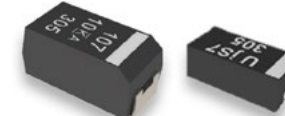
Polymer Tantalum
High Energy Low Profile



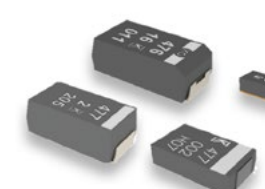
Tantalum Capacitor
MnO₂



Polymer Tantalum
Automotive Grade

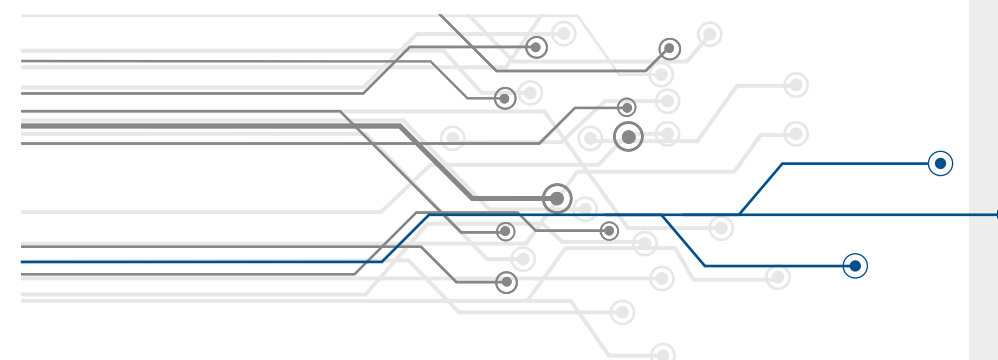


SuperCapacitor



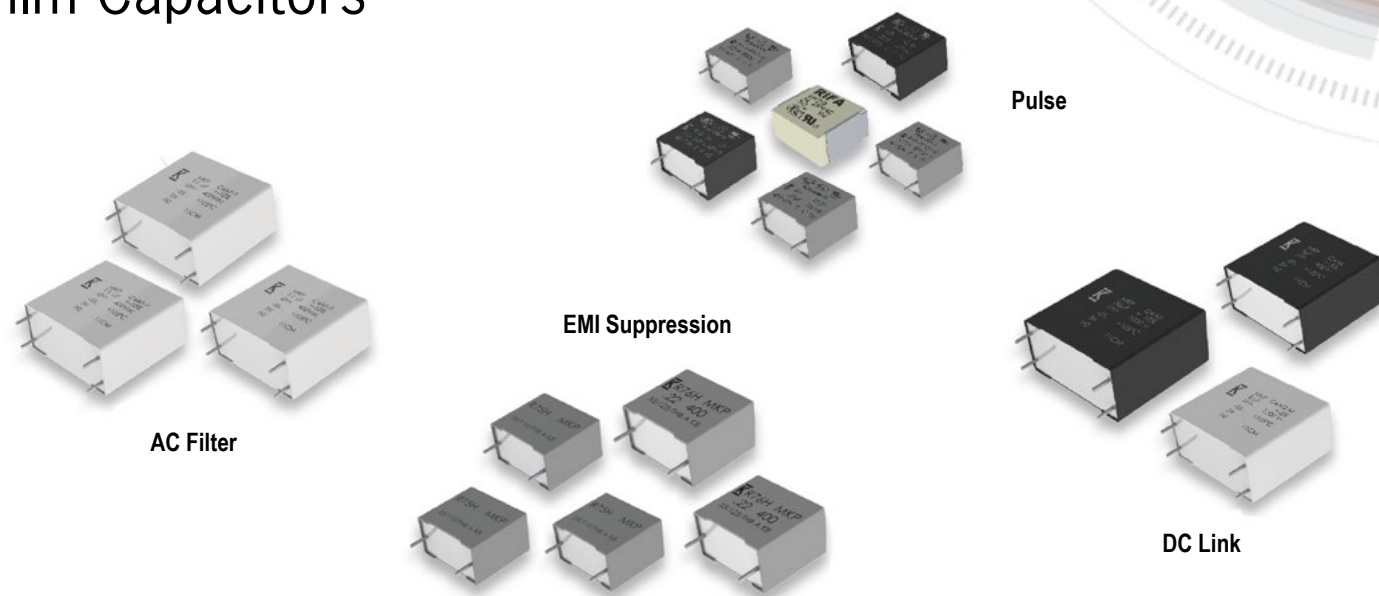
Polymer Capacitor
Commercial Grade

- Class I dielectrics C0G(NP0) and U2J
- High Voltage MLCC's rated ≥ 500 volts
- Commitment to large case size MLCC's from 0805 – 3640 (EIA)

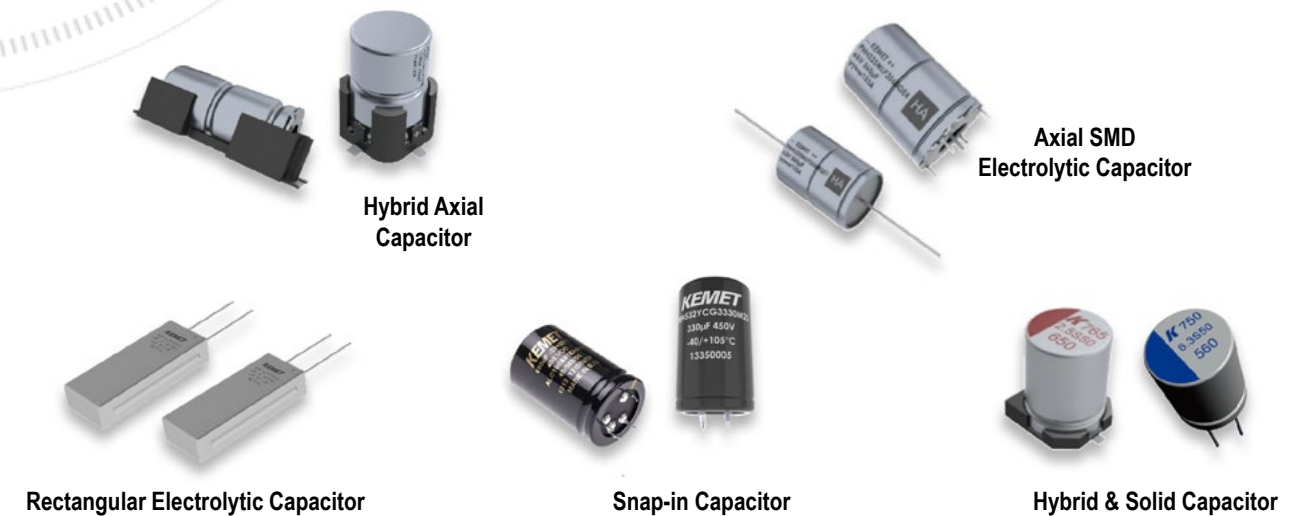


- Wide portfolio
- Leading Edge Technology
- Auto Grade 1st to market
- Customizing solution
- Fully covered market segments (Consumer to Space)
- Localized service and support
- Engaged with top players in each segment

Film Capacitors



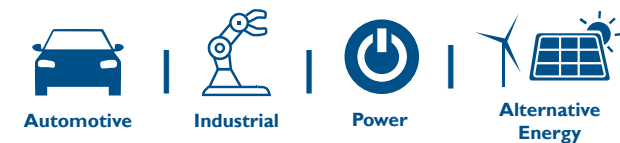
Aluminium Electrolytic Capacitors



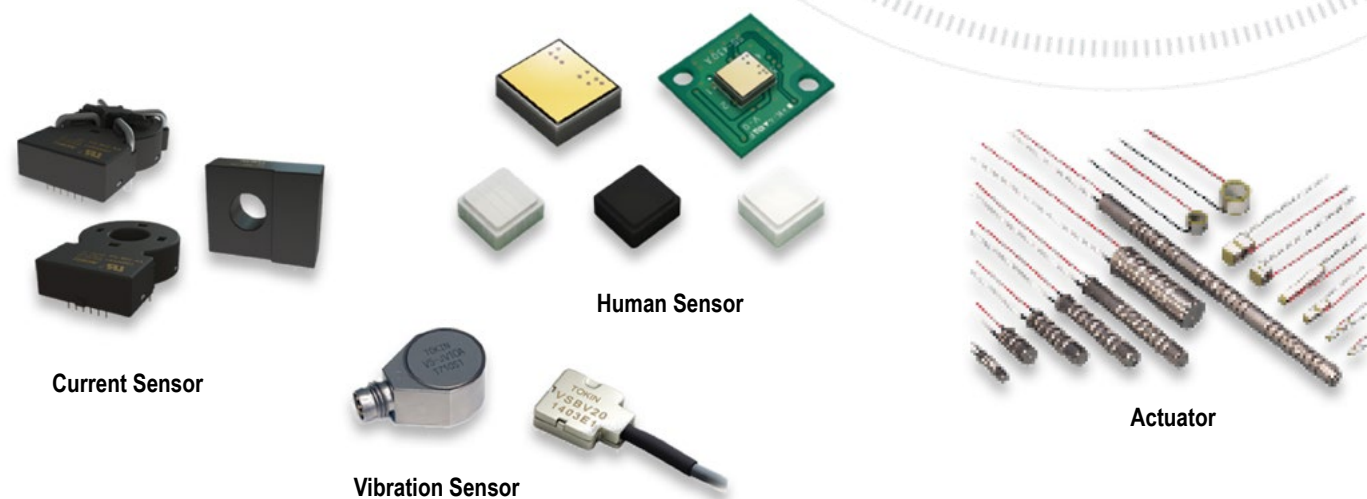
- Self healing capability
- Miniaturization
- World 1st 135°C polypropylene film capacitor
- Withstanding harsh environmental conditions
- Low ESL for high frequency
- High reliability with extended life
- AEC-Q200 compliant



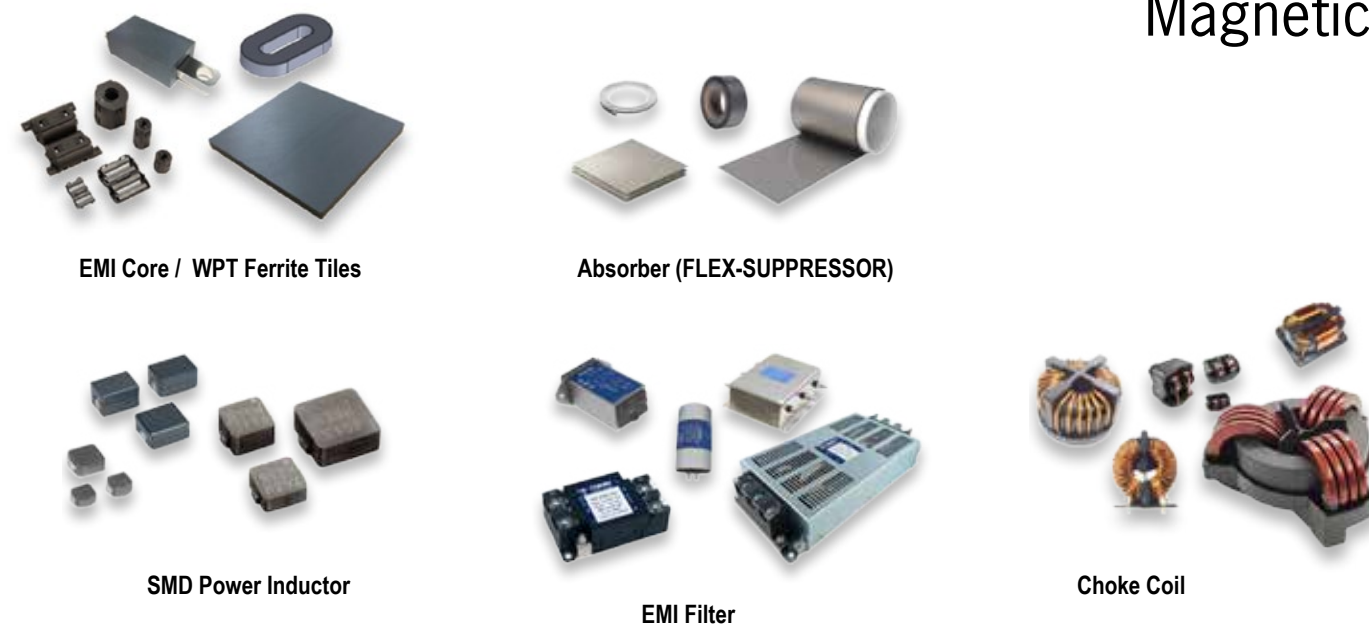
- Hybrid design, extremely high ripple current and low thermal resistance performance
- The first axial & radial crown SMD on the market
- Friendly to base cooling design, flexible ways of installation
- Anti-vibration design, 20 g
- Shortest LT with competitive price



Sensors & Actuators



Magnetics

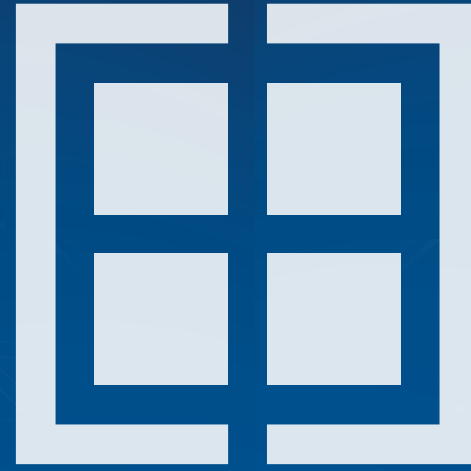


- High sensitivity, fluxgate-based current sensors
- High performance multilayer piezoelectric actuators
- Ultra compact and low profile pyroelectric infrared sensors (5.0 x 4.8 x 1.7 mm)
- High sensitivity, built-in amplifier vibration sensors

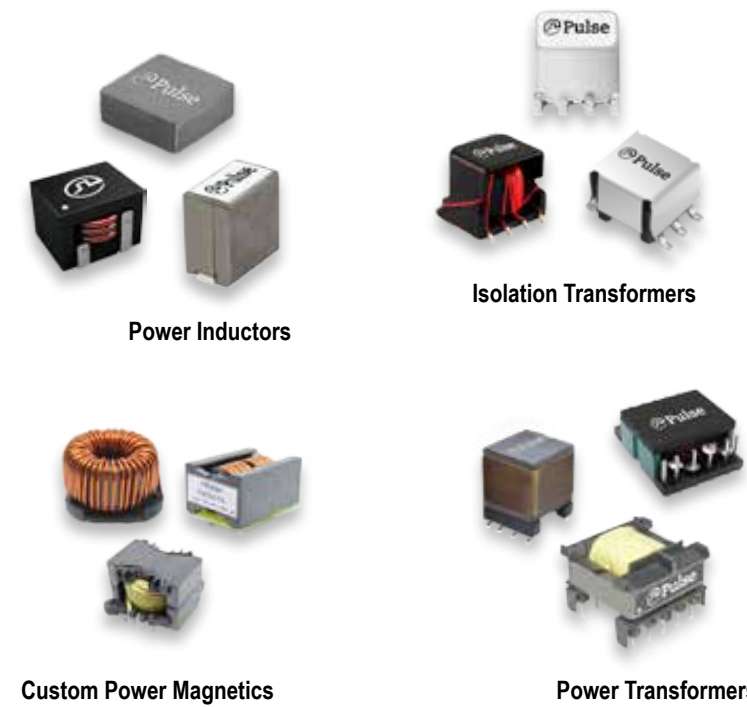
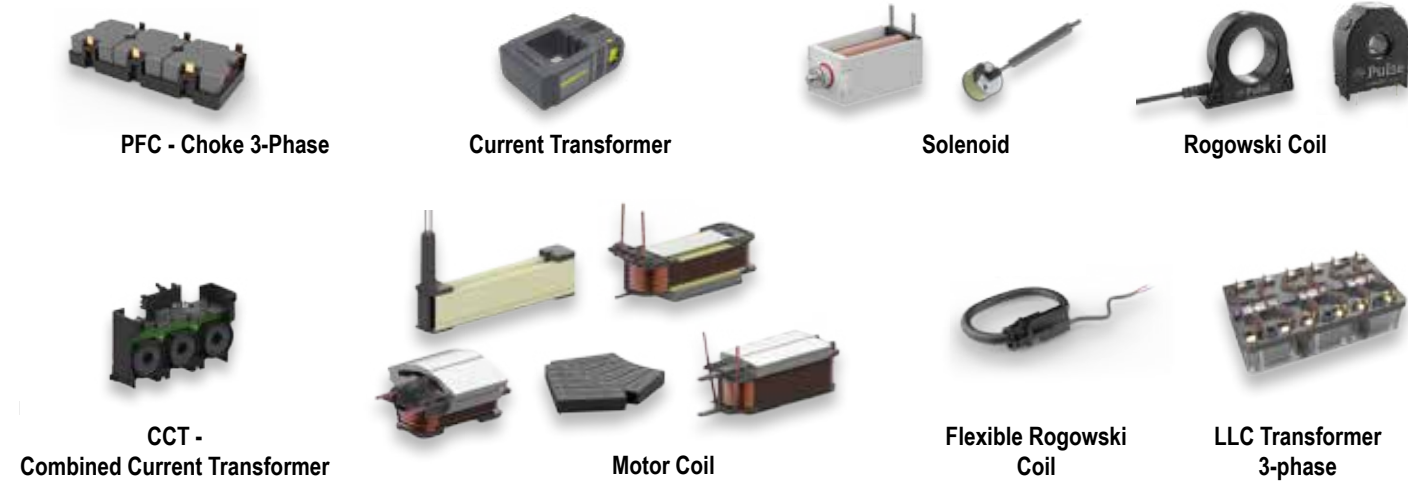


- Original unique magnetic materials
- First class automotive grade safety, reliability
- Ultra-high frequency effect absorber (up to SHF band)
- High rated voltage choke coil (up to 1,000 V AC/DC)
- 50 G vibration resistance power inductors
- Ultra compact and high-performance EMI filters

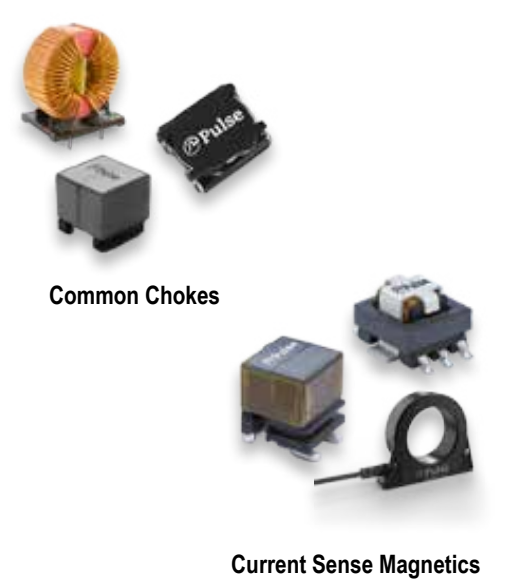




Specialized Power



Specialized Power



- PFC choke and LLC transformer for on board chargers up to 22kW
- CT, CCT and Rogowski coils for various measuring and billing applications such as smart grid and smart metering
- Motor coils for Hybrid cars, electric supercharger, linear motors for industrial and medical applications
- Solenoids for various automotive and industrial applications



- Specialized and custom power magnetics
- High power density and variable mechanical mounting
- Power bead inductors with high performance for Vcore power application
- IATF catalogue products

Wired Communications

Discrete Communications
Magnetics LAN



Automotive Communication
Magnetics (BMS & IVN)



Integrated Connector Modules (ICMs)



Connectors & Cages



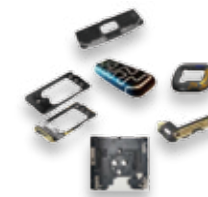
Discrete Communications Magnetics WAN

YAGEO GROUP PULSE

- Research, design and manufacture magnetic products and connectors used in through-wire communication systems to filter, transmit and isolate communication signals
- World's #1 in LAN Discrete Magnetic products
- Technology and market leader in Integrated Connector Module Magnetic products (ICMs)
- Technology and Market leader in automotive magnetic products



Wireless Components



3D Antennas
LDS/LAP/FluidANT



Embedded Antennas
Ceramic/Helical/FPC/Stamped



Vehicular
Antennas



External/ In-Building
Antennas



LTCC based BPF, LPF, Balun, Diplexer,
Triplexer, Balanced BPF, and Coupler



Outdoor
Antennas



Internal Antennas
FPC/PCB/NFC/WPC/LCP Antennas



Cable & Mounting
Solutions

YAGEO GROUP PULSE

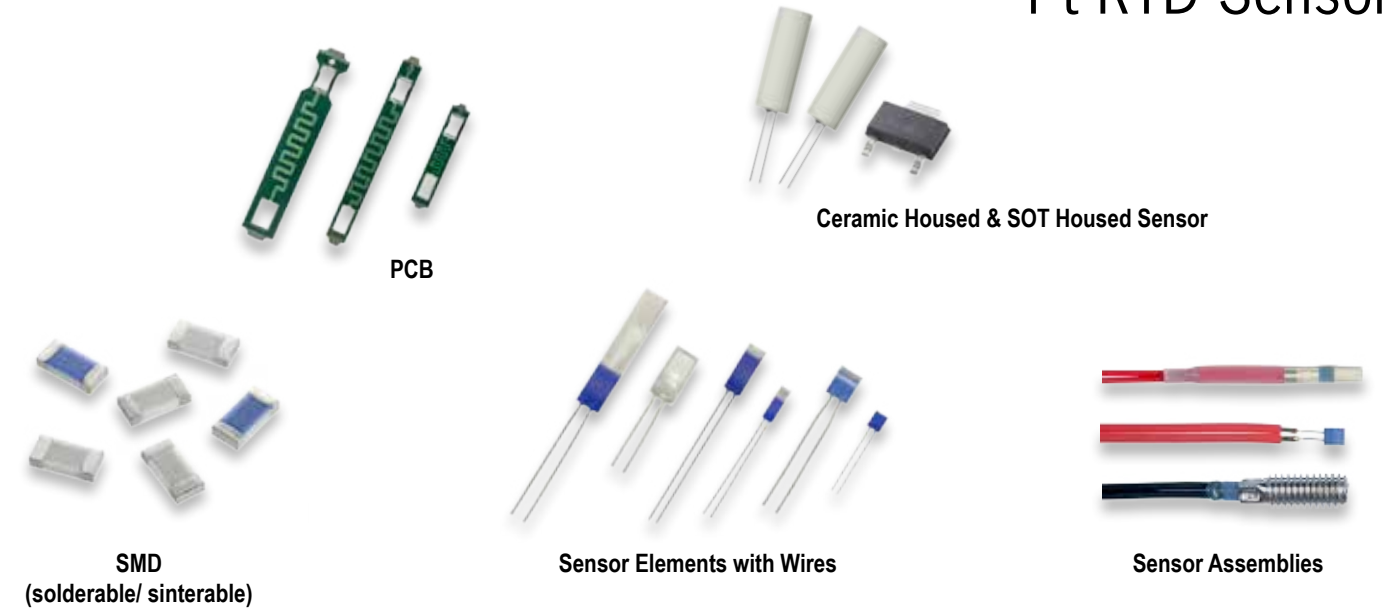
- Wide range of antenna options including flexible printed circuit board (FPC), PCB, direct mount, magnetic mount
- Frequency Bands from 13.56MHz to 8500 MHz
- WiFi, Bluetooth, BLE, UWB, Zigbee, MiMo, GNSS, LEO, LTE, 5G FR1
- IoT, SmartGrid, meters, remote monitoring, sensor networks
- Customized solutions



Standard Power

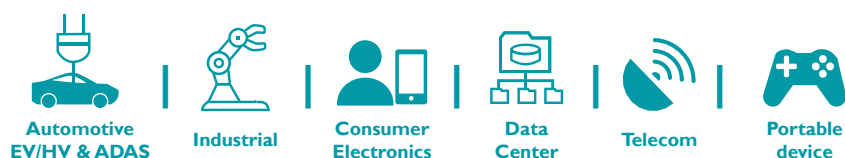


Pt RTD Sensors



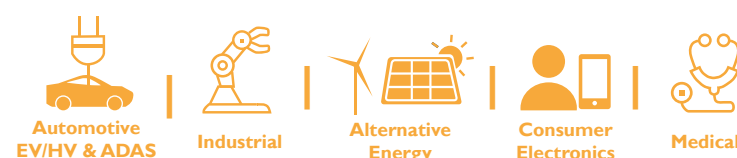
YAGEO GROUP PULSE

- No physical air gap and zero core gap loss (molded)
- High & soft saturation current, high power density
- High insulation resistance, high breakdown voltage
- Higher operating temp. and no thermal aging
- Cut off frequency up to 6GHz (EMI filter)
- High impedance @ low frequency - high frequency (EMI filter)



YAGEO GROUP YAGEO Nexensos

- Pt temperature sensor pioneer since 1906, decades of experience and expert knowledge
- Global leader for platinum thin film technology
- High long term stability
- Interchangeability
- Broad temperature operating range
- Fast response time
- Automotive qualified products available
- Sensors engineered to custom applications



Committed to excellence



From Procurement to Delivery

SUPPLY CHAIN MANAGEMENT | WORLDWIDE

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