



Semiconductors

Analog ICs

Power Management ICs



- Protected MOSFET
- Motor Drivers
- Switch Mode Power Supply ICs
- Voltage Regulators
- Supervisors
- AC/DC Converter
- DC/DC Converter



Analog Amplifiers



- Hall-Effect Sensors
- Programmable Gain Amplifiers
- Radio/Television ICs
- Operational Amplifiers
- Comparators
- Standard Linear ICs



Mixed Signal- & Converter ICs



- SAR ADCs
- Delta Sigma ADCs
- Mixed Signal Converters



Digital ICs

Interface



- LVDS
- RS-232
- RS-422/RS-423/RS485
- Audio&Video Codec
- Interface-Serial Peripherals
- USB 2.0
- Special Functions



Memories



- EPROMs
- Flash EEROMs
- Serial EEROMs
- Zeropower/Tirnekeeper
- SRAM
- 8-Bit & 16Bit Flash PSDs
- SDRAM
- DDR
- Serial Flash



Microcontrollers



- 4 to 64 Bit MCUs
- MCUs with DSP functionality
- MCUs with Transceiver functionality
- DSP
- MCUs for General Purpose, White Goods, Automotive, Industrial, Motor Control



ASIC/ASSP



- Customized ICs
- Sensors
- CAN Communication
- Motor Management
- Application specific Analog & Digital ICs



Quartz Products



- Crystals
- Oscillators
- RTC
- Military Spec. Products



Discrete Semiconductors

Diodes



- Standard Diodes
- Small Signal diodes
- (Ultra-) Fast diodes
- Schottky Diodes
- Zener Diodes
- Protection Diodes (TVS/ESD/EMI)
- Bridge Rectifiers



Diacs, Triacs, Thyristors



- Diacs
- Triacs
- Standard Triacs
- Sensitive Triacs
- AC Switches
- Thyristors
- SCR
- Sidacs



Transistors



- Bipolar Small Signal Transistors
- Bipolar Transistors for lamp ballast
- Small signal
- MOSFETs
- Power MOFSETs
- IGBTs
- Power Modules
- Digital Transistors
- Darlington Transistors



Optoelectronic Components

LEDs



- Radial LEDs
- Top LEDs
- Chip LEDs
- High Power LED
- High Brightness
- Compact Light source



Optocouplers



- Standard
- Highspeed



LED Displays



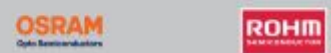
- Standard
- SMD
- Intelligent
- Dot-Matrix
- 7 Segment



Laser Diodes



- Standard
- HPL



Infrared



- Emitter/Receiver
- Slotted Interrupters
- Distance Measure Systems



Passive Components

Capacitors

Aluminium Electrolytic Capacitors



SMD Capacitors 85 C - 125 C

- General Purpose
- Low Impedance
- Polymer (170 C)
- High Temperature
- Non-Polarized
- Low leakage current

Power Capacitors 85 C - 125 C

- Snap In
- Screw Terminal
- Printed Wiring

Leaded Capacitors (axial/Radial)

- 85C - 150C
- General Purpose
- Low Impedance
- Polymer
- High Temperature
- Non-Polarized
- Low leakage current

Supercaps 70/85 C

- Leaded
- SMD
- Coin
- Stack
- Stacked Coin
- Power Pack



KEMET

NEC/TOKIN

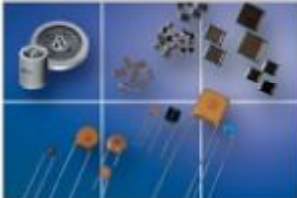
RICHEY

Rubycon



YAGEO

Ceramic Capacitors



Multilayer Ceramic Chip Type KC

- Standard
- Automotive AECQ200
- ShortCircuitProtection (Flexiterm/Softtermination, OpenMode, FlexiSafe)
- High Temperature 150 C
- Arrays (2-,4-caps)
- Low Inductance

- Feed Thru
- Microwave

Multilayer Ceramic Leaded Type KV

- Radial
- Axial
- Standard
- Automotive AECQ200
- High Temperature 150 C

Single Ceramic Leaded Type KE

- Radial
- Type I + II
- Low-/High-Voltage

Suppression/safety Type KF

- Radial
- SMD(Chip)

Special Capacitors Type KVA / KSO

- Plate
- Cylindrical
- Pot Caps
- Stacked MLCC

Trimmer Capacitors Type KT



YAGEO

Film Capacitors



SMD

- PEN
- PET
- PPS

Leaded

- Standard (MIKT, MKP)
- Pulse Capacitor
- Precision
- Axial

Interference Suppression

- X and Y (MKP, MP)
- RC Combinations

Motor & Power

- Motor Running
- Power
- Snubber
- GTO



KEMET



Tantalum Capacitors and Niobium Capacitors



Leaded

- Radial (Dipped, Molded)
- Axial (Hermetically sealed, Military)

SMD

- Standard
- Miniature (Low Profile, Microchip)

- Low ESR (Standard, Multianode, Polymer Type)
- Conformal coated

- Automotive
- High Reliability (Medicine, Military)

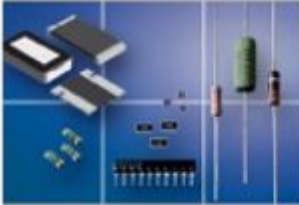


NEC/TOKIN



Resistors

Fixed Resistors



SMD

- Thickfilm Technology
- Thinfilm Technology
- Adjustable Resistors
- MELF
- Chip Arrays
- Shunt Resistors

Leaded

- Metal Film
- Metal Oxide
- Carbon Film
- Carbon
- Composition
- Wirewound
- Jumper Wire



Nonlinear Resistors



PTC Thermistors

- Overload Protection
- Overload Temperature
- Platinum Sensors
- Resettable PTCs

NTC Thermistors

- Inrush Current Limiter
- Temperature Sensing

VDR Varistors

- Leaded
- SMD
- Automotive
- Energy



Variable Resistors



Potentiometers

- PCB Chassis Single Turn
- Chassis Multi Turn
- Dials

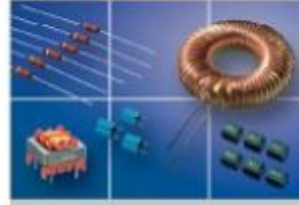
Trimmers

- SMD Single & Multi Turn
- PCB Single & Multi Turn
- Thumbwheels
- Shafts
- Adjustment Tools



Inductors, Ferrites & Piezoelectric Components

Inductors & Transformers



Chokes

- RF Chokes
- Storage Chokes
- PFC Chokes
- Common Mode Chokes
- Telecom/ Datacom

Transformers

- PCB Transformers
- Power Transformers
- Toroidal Transformers



Ferrites



EMI Ferrites

Cores & Coilformers



Piezoelectric & Sound Components



- Resonators
- Ceramic Filters
- EMI Filters

- Piezo Buzzers
- Crystals & Oscillators
- Speaker



Electromechanical Components

Batteries



- Lithium Lion
- Lithium Polymer
- Nickel Cadmium
- Nickel Metal Hydride
- Lead Acid
- Lithium Primary
- Alkaline Primary
- Battery Holder
- Battery Packs



Connectors & Cable Systems



Circular Connectors

- Industrial Connectors
- Harsh Environmental Connectors
- Signal Connectors
- Coaxial Connectors
- Sensor Connectors
- Valve Connectors

Rectangular Connectors

- Battery Connectors
- DIN 41612
- Board to Board Connectors
- Wire to Boards Connectors
- Power Connectors
- D-Sub
- IDC
- FFC/FPC
- I/O Connectors
- SCC/PC-Card Connectors
- IC Sockets
- PLCC Sockets

Automotive Connectors

Terminal Blocks
Cables & Cable Assemblies



Thermal Management



- Fans
- CPU-Cooler
- Blower
- Heatsinks
- Heat Contacting Foils
- Heat Pads



Fuses



- 5 X 20
- 6,3 X 32
- Automotive Fuses
- Subminiature Fuses
- SMT - Fuses
- Resettable Fuses
- Fuseholders
- Pico Fuses
- Gas Plasma Arrester



Relays



- Signal Relays
- HF Relays
- Power Relays
- Automotive Relays
- Security Relays
- Photomos Relays
- Solid State Relays
- Reed Relays
- Proximity Switches
- Tilt & Tip-over Switches
- Timer Relays



Switches



- Automotive Switches
- Tact Switches
- DIP Switches
- Slide Switches
- Pushbutton Switches
- Rotary Position Switches
- Rotary Coded Switches
- Encoder Switches
- Toggle Switches
- Keyboards
- Keypads
- Navigation Switches
- Industrial Switches
- Rocker Switches
- Micro Switches



Displays & Embedded Boards

Digital TFT Panels / Special TFT Panels



- 2.2" - 65"
- Rough Environment
- Ext Temp Range
- Sunlight Readable





Smart Panels incl. Controller



- 15" - 19" Diagonal
- High Bright Version
- SKD-KIT Solutions from 32 - 47"



Touch-Screen Panels



- Four + Five Wire Resistive Touch Panel
- Surface Wave Touch Panel
- Capacitive Touch Panel
- Infrared Touch Panel
- Ruggedized Touch Panel



Passive Displays



- Character - and Graphic Module
- Customized Module / Panel
- Turn Key Solution
- VFD







Thermal Printer



- Mechanizm
- Controller Board
- Complete Module



Wireless Technologies & Others

Bluetooth



- Modules with complete software stack
- Modules with HCI software Stack
- Chip Sets
- Plug'n Play Modules

GSM



- Modules
- Terminals
- With integrated GPS
- Chipset
- Telemetry Devices

GPS



- Modules
- Patch Modules(with antenna)
- With integrated GSM
- Chipset

ISM /SRD Radio



- Transceivers
- Transceivers with MCUs
- Transmitters
- Receivers
- Modules and Chipsets
- All usual frequencies

RFID



- Passive
- Active

WLAN



- Modules 802.11 a/b/g
- Software Stack

Accessories



- Adapter Cables
- Antennas
- Connectors
- SIM-Card Holders

Wireline Communication



- PLC
- Ethernet over Powerline

White Goods

White Goods Components

Oven Components



- Mechanical Timers
- Digital Timers
- Switch Buttons
- Lamps

- Limit Thermostats
- Grill Motors
- Bimetal Thermostats
- LCD

- Resistances
- Hotplates
- Gas Valves

Futaba

Refrigerator Components



- Door Lock Switches
- Electronic Components
- LCD

- Lamps
- PTC for Motor Starter



Dishwasher Components



- Electronic Components
- Motors

- EMI Filters
- RFI Filters



Washing Machine Components



- Electronic Components
- Motors

- EMI Filters
- RFI Filters

- Door Lock Switches



 addausa.com	 alliancememory.com	 analog.com	 analogictech.com	 asj.com.sg	 assmann-wsw.com	 avx.com	 axon-cable.com	 balkhausen.de	 bosch-semiconductors.de	 ck-components.com	
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