

Electronics at a glance

Components for power management



Magnetics

Power Magnetics
Transformers
EMC (RF/EMI) Filters
DC-DC Converters



Circuit Protection

Fuses
Fuse Accessories
Inrush Current Limiters
PTC Resettable Fuses
TVS Diodes
Varistors
ESD Suppressors



Capacitors

Coin cell supercaps
Cylindrical supercaps
Supercapacitor modules
Hybrid supercaps
Film capacitors



Terminal Blocks

Single Row/Barrier Strip
Euromag/IEC Style
Edge Connector



Sensors

NTC/PTC thermistors
surface mount
NTC thermistors
through hole
Current sense resistors
Current sense shunts



Timing Devices

Quartz Crystals

Automotive versions

Magnetics Product Breadth

Wide range of power magnetics and RF/EMC filtering products for DC-DC & AC-DC applications, including **automotive qualified** product and customized solutions.

Power Inductor



Toroid
Unshielded Drum
Semi-shielded Drum
Shielded Drum

High Current



Pressed
Ferrite
Coupled

Transformers



Power
Signal
PoE
Current Sense
Custom

RF



Chip
Inductor
Bead

EMC



Common
Mode
Filter

DC-DC Converter



Non-Isolated
Isolated

Overcurrent Protection Product Breadth

Trusted Bussmann name in circuit protection for over 100 years with superior reliability that meets modern safety standards throughout the world.

Ferrule/Cartridge & Axial Leaded Fuses

EV Fuses

Bolt-down Fuses

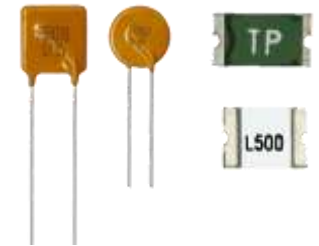
Fuse Clips & Holders

Radial Fuses

SMD Fuses

Inrush Current Limiters

PTC Resettable Fuse



Overvoltage Protection Product Breadth

Multiple technologies to help protect against internal and external transient events from Electrostatic Discharge (ESD) up to induced lightning surges.

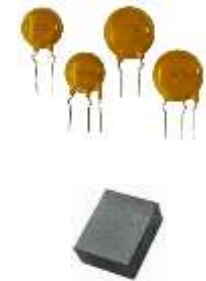
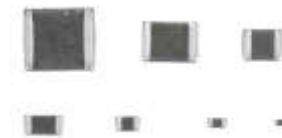
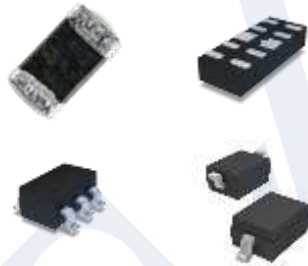
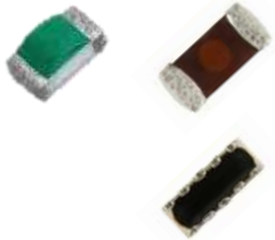
Ultra-low
Capacitance
PolySurg

TVS Diode (ESD)
– Discrete & Array

TVS Diodes –
High Current &
Power

Multilayer
Varistors

Metal Oxide
Varistors



Supercapacitor Product Breadth

Long life, reliable energy storage with leading power and efficiency. The industry's broadest product offering with cells from 0.1 F to 3400 F.

Coin Cells

Cylindrical Cells

Large Cells

Modules

Systems

Hybrid Cells



Film capacitor Product Breadth

DC-Link Cap

Safety Cap

Pulse Cap

AC Filtering



Sensor Product Breadth

Sensors react to physical stimuli from the environment that can be converted to electrical signals, ultimately triggering needed responses upon application needs.

These devices including **temperature** and **current sense products**, can be implemented in IoT, HVAC systems, industrial process control, and more.

PTC Thermistors

NTC thermistors

Sensing Transformers

Current Sensing Resistors



Metal Film & Foil
Metal Plate
Metal Shunt