

About Us

Eaton offers a wide range of electronics components that include power and EMC magnetics solutions, circuit protection, capacitors, supercapacitors, sensors and terminal blocks products, qualified for automotive and suited for applications like:

- LED Lighting
- ADAS
- Powertrain
- EV Power Distribution
- Infotainment and Telematics
- V2x
- Electric Power Steering

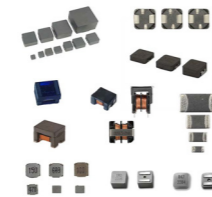


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Application Specific Solutions

Eaton's Electronics Division offers circuit protection, power magnetics, capacitors, supercapacitors and sensors designed for automotive applications. AEC-Q200 or AEC-Q101 qualified for wide operating temperature and high shock and vibration tolerance for the most demanding and rugged conditions.



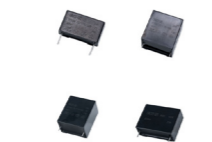
Inductors and Transformers

Development of customized transformer, inductors and signal/power line filtering solution validated by in-house AEC-Q200 testing.



Supercapacitors

Custom configurations of cells into packs or modules to meet specific space, environmental or electrical needs.



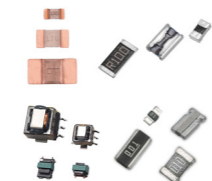
Film Capacitors

Offer automotive grade film safety and film DC-link capacitors for electronic applications.



Circuit Protection

Providing solutions for higher in-rush current (I^2t), higher breaking capacity, improved surge susceptibility, and immunity to ESD.



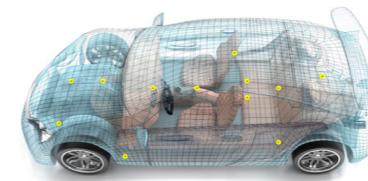
Sensors

Customer specific current sensing solutions may be developed and qualified.

Visit Our Website Automotive Resource



Technical & Commercial Support



Eaton Electronics Toolbox



Parametric search



IC Matching



Cross Reference



Supercapacitor Calculator



Terminal Block Selector



Automotive Electronics Solutions



Circuit Protection 3D display board



Supercapacitor 3D display board

Automotive Linecard



Circuit Protection

One Time Fuse



Fast-acting SMD Fuses

CC06FA, 0603FA, 3216FF



CC12H SMD Fuses

High inrush withstand capable 3.2 mm x 1.6 mm SMD fuses.



1145HVA SMD Fuses

500 Vdc fast-acting brick fuses.



AHCA Fuses

6 mm x 32 mm 500 Vdc/ac fuse tailored for OBC AC (40 A max) or DC (30 A max) protection.



EAC10 Fuse

10 mm x 32 mm compact fuse tailored for OBC AC input protection up to 63 A and solderable leads.



PPTC Resettable Fuses



PTSA & PTSAHT Fuses

Offer low resistances and fast time-to-trip performance. PTSAHT can withstand high operating temperatures.

Power Line



SMAJE/SMBJE/SMCJE TVS Diodes

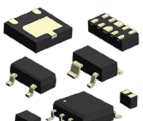
Fast response time. Excellent clamping capability. High reliability application.

Singal Line



0402ESDA-AEC PolySurg ESD Suppressors

Protect high speed data circuits. OPEN Alliance approved for Ethernet.



TVS Diodes ESD Suppressors

Provide highly reliable protection for electronics against fast and damaging voltage transients. Multiple footprints: SOT23, DFN2510-10L, DFN1006, SOD-323.



AMLV Multilayer Varistors

Provide high reliability protection in numerous applications on the power supply, control and signal lines.

Magnetics

Power



DRA/DRAP Shielded Inductors

Offer low EMI, low DCR, low core loss, more current capability at higher inductances.



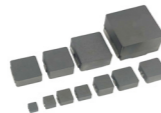
DRAQ Shielded Inductors

Dual winding, high power density power inductors with +165 °C maximum operating temperature.



HCS1A1008 Coupled Inductors

Offer high inductance and high operating current capability.



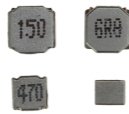
HCM1A-V2 Shielded Inductors

Pressed powder constructions with low EMI, high current handling capabilities, and better thermal dissipation.



MPIA Shielded Inductors

Compact low profile package with low EMI. Low core loss and good temperature stability.



SDCxA Semi-shielded Inductors

Provide a complete range of inductance and current ratings while delivering high power density, low DCR and low core loss.



EXLA High-current Molded Inductors

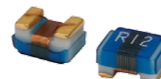
Wide operating temperature. Excellent for higher currents requiring low saturation and stability.

RF and EMI Filtering



MCLA Multilayer Chip Inductors

Low profile, low dissipation inductors for high frequency filtering, impedance matching, and RF tuned circuits.



WCLA Wire Wound Inductors

Low profile, low dissipation inductors. Comes in several industry standard footprints and offer high Q and high current capability.



MFBA Multilayer Chip Ferrite Bead

Offer low DCR and a wide range of high impedance performance across a wide range of high frequency applications.



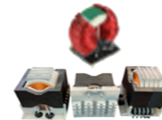
ACE Common-mode Chip Inductors

Provide excellent filtering with low parasitic capacitance to minimize noise intrusion in data lines on CAN and Ethernet vehicle connectivity modules. OPEN Alliance approved for Ethernet.



CMLA Common-mode Inductors

Excellent impedance characteristics to suppress common and differential-mode noise. Suitable for power line filters, infotainment, ECU power filtering, LED lighting and motor controls.



Custom Solutions

Help customers meet unique power management challenges in a cost-effective and efficient manner.

Supercapacitors

High Power, High Reliability Energy Storage



TVA

25 F - 100 F, AEC-Q200 qualified cylindrical cells with up to 20 years lifetime for eLatch, eCall, safety power.



XLR

48 V - 51 V rated 165 F - 188 F modules up to 850 V stackable. UN ECE R10 and R100 qualified.

Film Capacitors



EFX1A/EFX2A Safety Capacitors

Metalized polypropylene film EMI suppression capacitors. High stability of capacitance and self-healing property. Class X1 and X2 for interference suppression.



EFDKA DC-link Capacitors

Metalized polypropylene film DC-link capacitors. High capacitance density and high reliability. Self-healing property. High ripple current and low loss.

Current Sense

Resistive



MFSA & MFLA Metal Film Resistors

SMD current sensing resistormetal foil. Provide low sensing resistance and high power dissipation.



MSMA Metal Strip Resistors

SMD current sensing resistor- metal strip. Provide low temperature coefficient of resistance (TCR), low resistance and high power capability. 0603 (1608 metric) to 2512 (6432 metric).



MSMA Metal Strip Resistors

Provide ultra low and stable resistance down to 0.1 mΩ and high power ratings up to 15 W. Have the benefit of simple and linear current measurement. 2512 (6432 metric) to 5930 (15076 metric) package.

Inductive



ECSTA1V Current Sense Transformer

Provide accurate sensing and measurement of current levels in power circuits. Have very low DC resistance and wide selection of turns ratios.