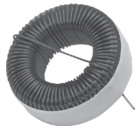


Eaton offers a wide range of power magnetics and EMC filtering components for a broad array of applications. Automotive solutions allow for a wide operating temperature range and are built for rugged environments. Eaton's inductor and transformer families are offered in a wide variety of sizes, have high current capabilities and high power densities.

Magnetics

Toroid



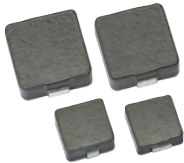
- Wide variety of sizes
- Closed magnetic path, very good EMI shielding
- High inductance/current rating
- Dual winding options can be used in multiple configurations
- Multiple core materials available

Shielded drum



- Compact size
- Wide variety of shapes, sizes, inductance values, and current options
- Magnetically shielded - good EMI shielding
- Dual winding options can be used in multiple configurations
- Ferrite core (high efficiency)

High current



- High power density
- High operating temperature
- Ferrite, powder, and composite core options
- Pressed and two-piece construction options
- Magnetically shielded options
- Good EMI shielding

Semi-shielded inductors



- Commercial and automotive grade
- High current carrying capacity
- Magnetic resin shielding technology
- Low loss magnetic material
- Inductance range from 0.33 μH to 1 mH
- Standard footprints from 2 mm to 8 mm

Multi-phase & Vcore



- High current
- Coupled and non-coupled
- Low tight tolerance DCR
- High efficiency
- Magnetically shielded for low EMI

Unshielded drum



- High current capability vs. size
- Desirable for high ripple current applications
- Wide range of inductance options available

Automotive-grade magnetics



- AEC-Q200 qualified
- Wide operating temperature
- Variety of shapes and sizes
- Power and RF/RMI filtering
- Robust construction up to 30 G
- Single and couple winding solutions
- Good EMI shielding
- High efficiency

Transformers



Power over Ethernet (PoE)

- Input voltage up to 60 V
- Power ratings up to 156 W
- 1500 V isolation

Configurable

- 500 V isolation
- 500 Inductor and transformer configurations
- Wide range inductance and current ratings
- Power ratings up to 70 W

Common mode chokes



- THT and SMT Configurations
- Industry footprints from 7 to 29 mm
- Operating temperature (- 40 to + 125 °C)
- Current ratings up to 15 A
- Impedances up 3,000 Ω
- Wide inductance range
- High voltage isolation up to 1500 Vac

Chip inductors and ferrite beads



Chip inductors

- Commercial and automotive grade
- Multilayer and wirewound
- Standard sizes: 0201 to 1210 package
- High Q performance
- Tight tolerance inductance - up to 470 uH
- Operating temperature: - 40 °C to + 125 °C



Ferrite beads

- Multilayer monolithic construction
- Standard sizes: 0402 to 1206 package
- High impedance - up to 2,000 Ω
- Current ratings up to 6 A
- Operating temperature: - 40 °C to + 125 °C

DC-DC converters



- Switching regulator, non-isolated
- 3-pin SIP package (LM78x regulator compatible)
- Input voltages: up to 32 Vdc
- Output voltages: up to 15 V @ 1 A
- High efficiency



- DOSA SMT package
- Short circuit protection
- Remote ON/OFF function
- Programmable output from 0.9 to 5.5 Vdc @ 1A
- Input voltage: up to 14 Vdc
- Output voltage: up to 5.5 V, 1 A to 12 A



- Wide input voltage range: 5 Vdc, 12 Vdc, 24 Vdc, 48 Vdc
- Package Options: SIP4, SIP7 (4 and 5 pin)
- Lower power consumption
- High isolation voltages up to 4 kV
- Single and dual output configurations
- Power range option from 1 W to 60 W