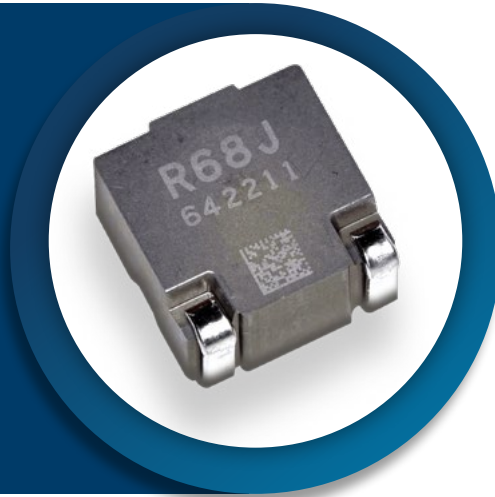


High Current Power Choke Coil ETQP8 Series

12x12mm ETQP8M series supports large currents up to 53A (R33 type). Due to the newly developed integral construction it offers a vibration resistance of 30G and can therefore withstand severe application conditions in the automotive field as well as the industrial market. The PCC has a high heat resistance for continuous operation up to 160°C including self-heating and an excellent inductance stability over temperature.



Overview

- High power in SMD package
- 50-70% smaller than standard ferrite type
- High efficiency thanks to low loss characteristics
- Metal composite monolithic structure realizes high reliability, shock and vibration proof
- Simple thermal design by small temperature gap between inside & outside of core, excellent thermal dissipation

Best-in-class for Automotive input filter



Operating functions

- Electric fan motor
- Electric pump
- Electric compressor



Safety

- EPS
- ADAS/Autonomous Driving
- Braking system



Comfort & fuel saving

- Powertrain
- Start&Stop system
- Body control

Key Features

- AEC-Q200 compliant
- Current up to 53A
- 0.33 to 4.7μH
- LxWxH 12.6x13.2x8mm compact design
- Heat resistance up to +180°C in short time
- Vibration resistance 30G

Monolithic structure at a glance

The metal composite using unique metal magnetic material and the coil using leading thick copper wire enable gapless monolithic structure. Low heat generation and low loss of coil and therefore 20-50A large current capability in compact size (over 50% reduction in volume compared to conventional products).