

High Current Power Choke Coil ETQP8 Series



Best-in-class for Automotive input filter

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 180°C (short time) including self-heating and an excellent inductance stability over temperature. The ETQP8 series of Panasonic with 12.6x13.2 mm case size is the right product for SMD designs to replace current THD designs or downsize ferrite inductors. The robust, monolithic structure allows low losses and low heat generation. Due to Panasonic unique metal composite and copper wire technology, the inductor has a stable inductance over current.

Key Features

- 50-70% downsizing compared to other technologies, such as standard ferrite types.
- High efficiency thanks to low loss characteristics
- Metal composite monolithic structure realizes high reliability, shock and vibration robustness
- Outstanding heat dissipation and excellent thermal conductive behavior allows simple thermal designs at application
- AEC-Q200 compliant
- Operation up to 150 °C including self-heating
- 0.33 to 4.7μH



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



For further Information, please contact inductor@eu.panasonic.com