Panasonic
INDUSTRY

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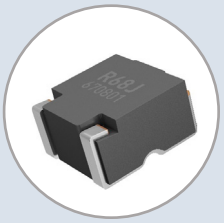
Line Extension

# LE Type (Performance Effective)
# ETQP4M***KF* Series Automotive Power Inductors



## Now Available in 2.2 and 8.2 Inductance Values!

Panasonic, a worldwide leader in Inductor Products, announces the expansion of the **LE Type (Performance Effective) ETQP4M***KF* Series of Power Inductors for Automotive Applications**. This Series of Automotive Inductors provide exceptional large current support, high heat resistance, and high vibration resistance. At 6.0x6.4x4.8mm, the **LE Type Automotive Inductors** are surface mount Power Inductors that is part of the industry's smallest class of SMT Inductors and meets the market demands for smaller automotive ECU's (Electronic Control Unit) enabling them to be directly mounted on engines while achieving excellent heat and vibration resistance.

These compact and highly reliable surface mount Inductors improve the reliability of power circuits while contributing to the reduction of environmental impact by saving space in power circuit mounting areas. Panasonic's **LE Type (Performance Effective) ETQP4M***KF* Series** offers large current support 2.4A, DC current which causes a temperature rise of 40K. Parts are soldered by reflow on multilayer PWB with high heat dissipation performance. Note: Heat radiation constant is approx. 36 K/W measured.

## Features / Benefits

- Small Size: Width 6.0mm x Depth 6.4 mm x Height 4.8 mm
- Heat Resistance: 150°C/2000 hours
- Vibration Resistance: 5 Hz to 2 kHz/4.4 G
- No Internal Joint – Direct Lead Terminal
- Excellent Inductance Stability Over Broad Temperature Ranges
- Compact SMD, Ferrite type comparison Up to 40% Smaller
- Low DCR and High Reliability Due to Coil Lead Direct Output Structure
- Achieves High Heat Dissipation by an Integrated Structure with a Unique Low-loss Metallic Magnetic Material
- AEC-Q200 and RoHS Compliant

## Industries

- Automotive
- Transportation
- Industrial

## Applications

- DC/DC Converters for Various Automotive Applications:
  - ABS, EPS, Fan, Pump, and More
- High-performance Automotive ECU Power Circuits

RoHS COMPLIANT