

# High Vibration Resistant Power Choke Coil M0854MS Series

To integrate ECUs within the engine Panasonic Industry developed the new ETQP5M2R5YSK power choke coil for automotive use. Thanks to the high vibration resistance no anti-vibration reinforcement is needed and therefore streamlines the production process.



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INDUSTRY

## Overview

- Inductance 2,45  $\mu$ H
- Vibration acceleration-resistance of 50 G or higher
- Operation up to 150 °C including self-heating
- SMD Type
- Shielded construction
- 8.5×8.0×5.4mm

## Key Features

- High bias current
- Excellent inductance stability using ferrous alloy magnetic material
- Low RDC of winding and low eddy-current loss of the core
- VDE approval according to DIN EN 60947-5-1 available
- Low audible (buzz) noise thanks to new metal composite core technology
- AEC-Q200 Automotive qualified
- RoHS compliant



### Automotive ECU

- Placed directly within the engine
- Mechanical electrical integrated



### Automotive Noise Filter

For drive circuitry requiring high temperature operation and peak current handling capability, like break control



### Automotive Converters

- Boost-Converter
- DC/DC Buck-Converter

## PCC Portfolio

Panasonic Industry offers a wide range of Power Choke Coils. For applications that require high vibration resistance there is also the M1050MS Series available, with an inductance of 0.68  $\mu$ H.