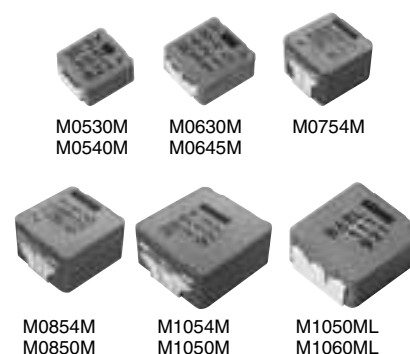


Power Choke Coil for Automotive application

Series: **PCC-M0530M (MC)** **PCC-M0540M (MC)**
PCC-M0630M (MC) **PCC-M0645M (MC)**
PCC-M0754M (MC)
PCC-M0854M (MC) **PCC-M0850M (MC)**
PCC-M1054M (MC) **PCC-M1050M (MC)**
PCC-M1050ML (MC) **PCC-M1060ML (MC)**



Realize high heat resistance and high reliability with metal composite core(MC)

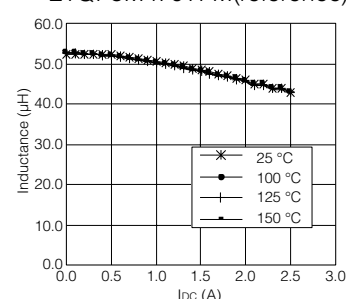
Industrial Property : patents 21 (Registered 2/Pending 19)

■ Features

- High heat resistance : Operation up to 150 °C
- High-reliability : High vibration resistance due to newly developed integral construction and severe reliability condition of automotive application is covered
- High bias current : Excellent inductance stability by using ferrous alloy magnetic material(Fig.1)
- Temp. stability : Excellent inductance stability in wide temp. range (Fig.1)
- Low buzz noise : New metal composite core technology
- High efficiency : Low R_{DC} of winding and low eddy-current loss of the core
- AEC-Q200 qualified
- RoHS compliant

● Fig.1 Inductance v.s. DC current, Temp.

ETQP5M470YFM(reference)



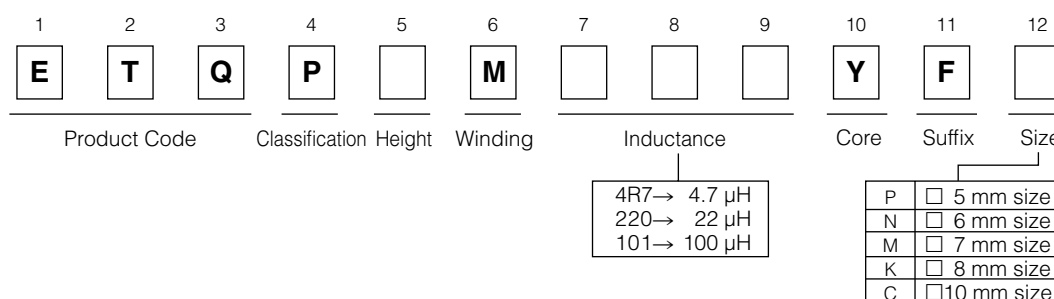
■ Recommended Applications

- Noise filter for various drive circuitry requiring high temp. operation and peak current handling capability
- DC-DC converters

■ Standard Packing Quantity (Minimum Quantity/Packing Unit)

- 1000 pcs./box (2 reel) : PCC-M0645M, M0754M, M0854M, M0850M, M1054M, M1050M, M1050ML, M1060ML
- 2000 pcs./box (2 reel) : PCC-M0530M, M0540M, M0630M

■ Explanation of Part Numbers



■ Temperature rating

Operating temperature range		Tc : -40 °C to +150 °C(Including self-temperature rise)
Storage condition	After PWB mounting	
	Before PWB mounting	Ta : -5 °C to +35 °C 85%RH max.