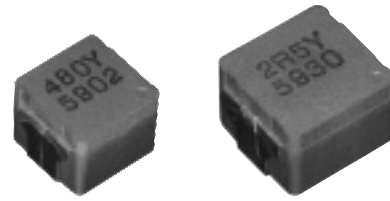


Power Choke Coil

Japan
Singapore

Series: **PCC-M0754M (MC)**
PCC-M0854M (MC)



High heat resistance, high reliability in a thin and small size power choke coil

Industrial Property : patents 17 (pending)

■ Features

- High heat resistance : Operation up to 150 °C
- Excellent DC bias characteristics : High flux density capability using ferrous alloy magnetic material
- Low buzz noise : New metal composite core technology
- High reliability at high temperatures : High vibration tolerance due to newly developed integral construction
- High efficiency : Low R_{DC} of winding and low eddy-current loss of the core

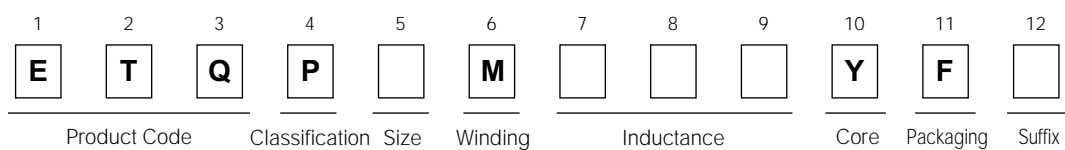
■ Recommended Applications

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

■ Standard Packing Quantity

- 500 pcs./Reel

■ Explanation of Part Numbers



■ Standard Parts

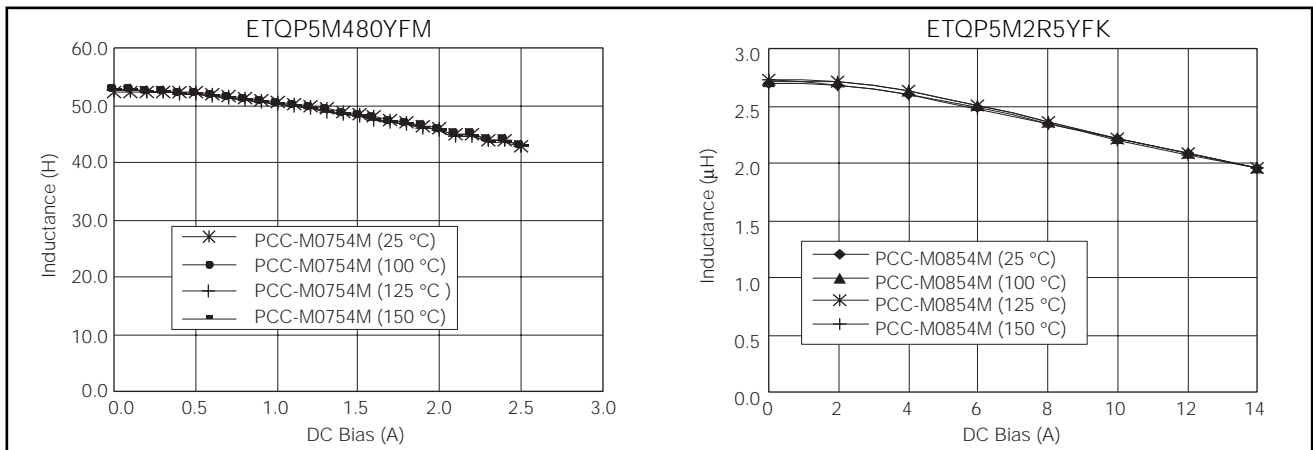
Part No.	Inductance *1				Rated current (A) *2	DC resistance		Series
	L0		L1 (Reference)			Center (mΩ)	Tolerance (%)	
	(μH)	Tolerance (%)	(μH)	Measurement current (A)				
ETQP5M480YFM	48.0	±20	47.0	1.0	1.0	156	±15	PCC-M0754M
ETQP5M2R5YFK	2.45	±20	2.40	4.5	4.5	7.6	±15	PCC-M0854M

(*1) Inductance is measured at 100 kHz

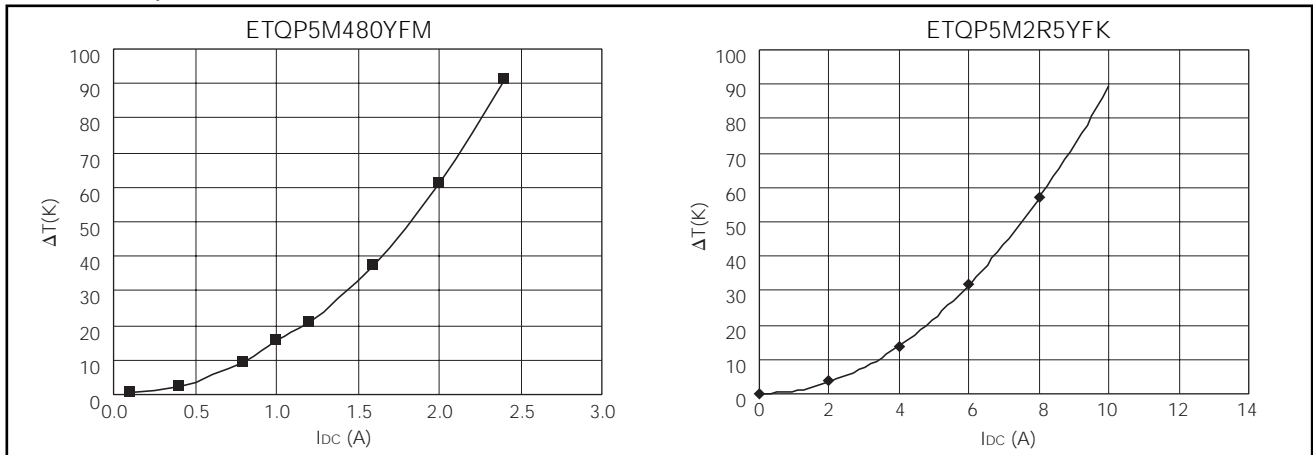
(*2) Case heating current is the value of the current at which the temperature of the coil case rises 15 °C above its initial temperature with T(ambient)=25 °C

■ Performance Characteristics (Reference)

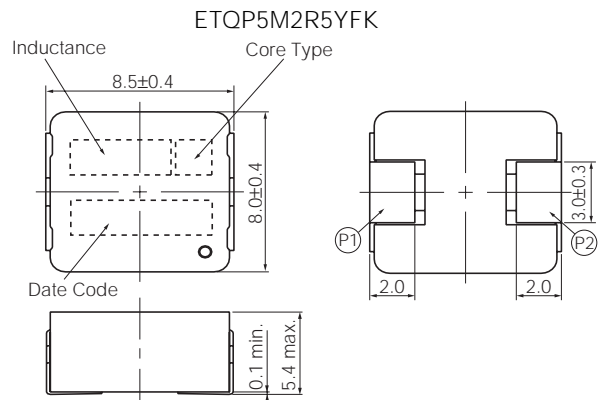
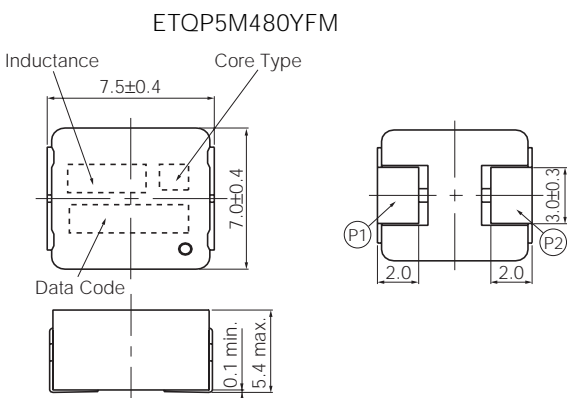
● Inductance vs DC Current



● Case Temperature vs DC Current



■ Dimensions in mm (not to scale)



■ Recommended Land Pattern in mm (not to scale)

