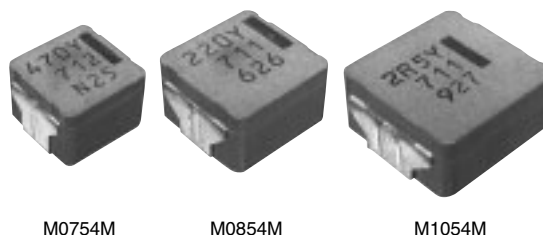


Power Choke Coil

Series: **PCC-M0754M (MC)**
PCC-M0854M (MC)
PCC-M1054M (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

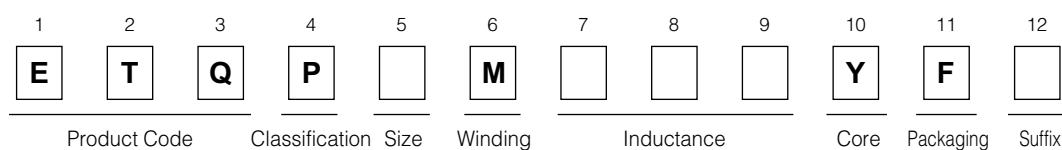
■ Recommended Applications

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

■ Standard Packing Quantity

- 1000 pcs./Reel

■ Explanation of Part Numbers



■ Standard Parts

Part No.	Inductance *1				Rated current (A) *2	DC resistance		Series
	L0		L1			Center (mΩ)	Tolerance (%)	
	(μH)	Tolerance (%)	(μH)	Measurement current (A)				
ETQP5M470YFM	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
ETQP5M2R5YFC	2.50	±20	2.50	6.0	6.0	5.3	±15	PCC-M1054M

(*1) Inductance is measured at 100 kHz

(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 15 K.

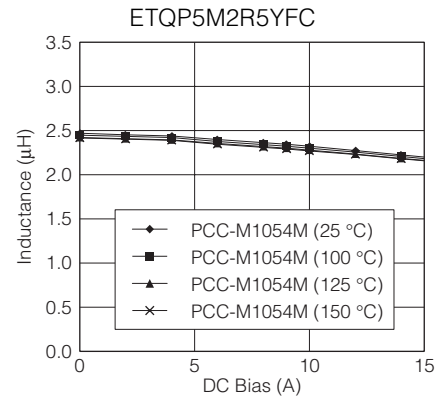
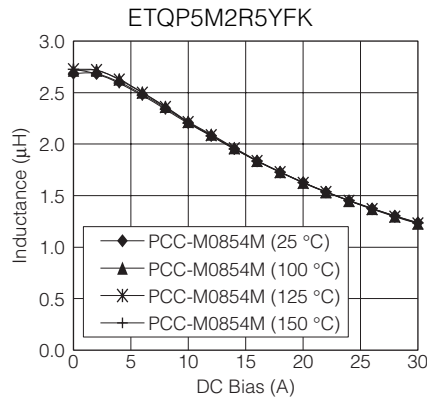
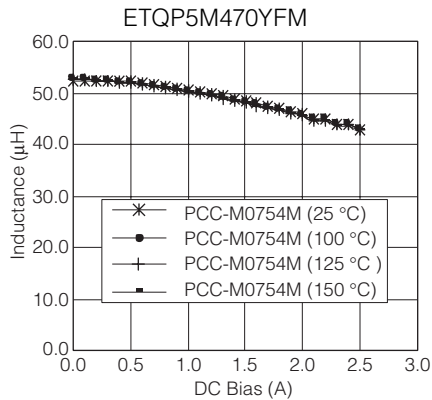
Performance Characteristics (Reference)

PCC-M0754M (MC)

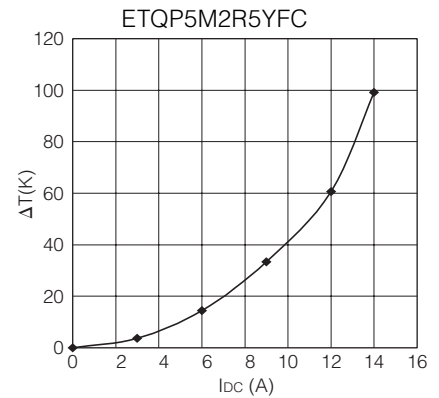
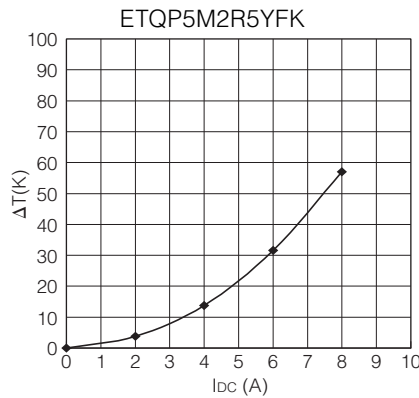
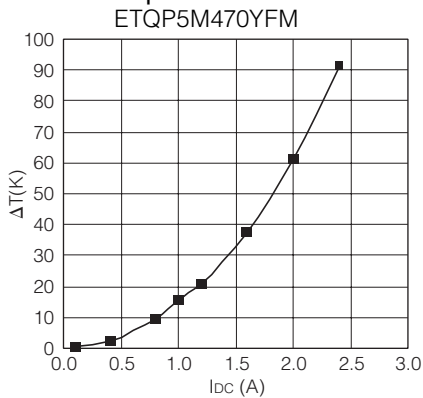
PCC-M0854M (MC)

PCC-M1054M (MC)

Inductance vs DC Current

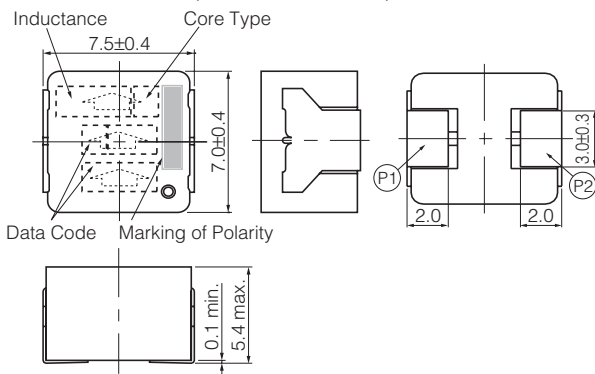


Case Temperature vs DC Current

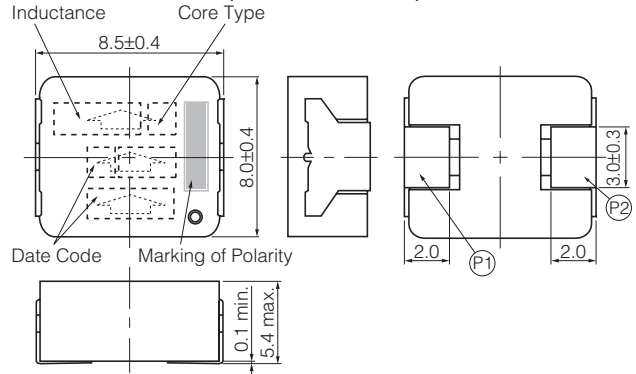


Dimensions in mm (not to scale)

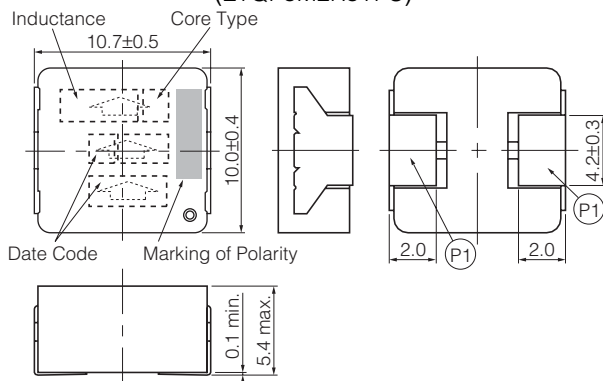
PCC-M0754M (MC)
(ETQP5M470YFM)



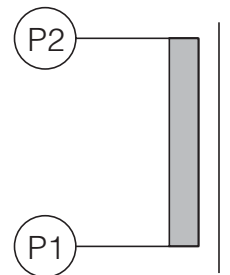
PCC-M0854M (MC)
(ETQP5M2R5YFK)



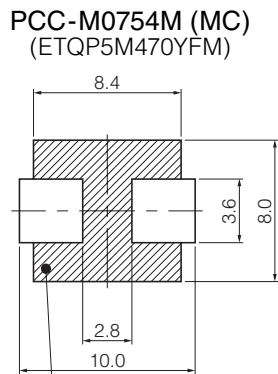
PCC-M1054M (MC)
(ETQP5M2R5YFC)



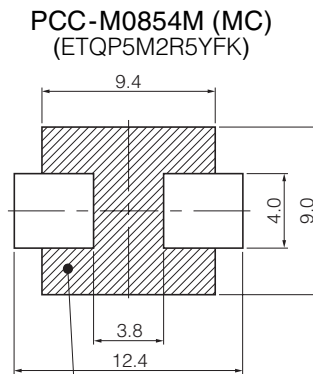
Connection



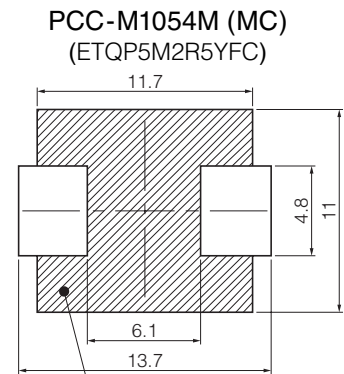
■ Recommended Land Pattern in mm (not to scale)



Not to contact the PWB.



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Not to contact the PWB.