

Power Choke Coil

Series: **PCC-M0630L (MC)**
PCC-M0630M (MC)

High power, Low loss , Compact size. Rust proof structure

Industrial Property : patents 21 (pending)



■ Features

- Downsize circuit space due to small and low profile package size
- Excellent DC bias performance and high reliability under high humidity
- Reduce number of components by high power and low loss
- Realize excellent performance by capability to high frequency range
- Low buzz noise

■ Recommended Applications

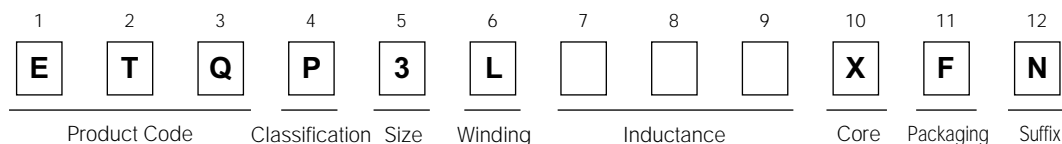
- Servers, Routers, DC-DC converters for driving CPUs
- Laptop and desktop PC power supply
- Power supply modules

■ Standard Packing Quantity

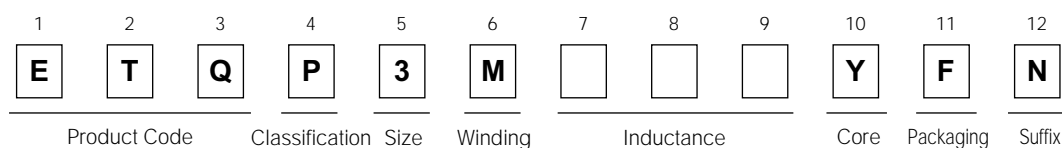
- 1000 pcs./Reel

■ Explanation of Part Numbers

- PCC-M0630L series



- PCC-M0630M series



■ Standard Parts

Part No.	Inductance *1				Rated current (A) *2	DC resistance		Series
	L0		L1			Center (mΩ)	Tolerance (%)	
	(μH)	Tolerance (%)	(μH)	Measurement current (A)				
ETQP3LR33XFN	0.33	±20	0.28	17	17	2.0	±10	PCC-M0630L
ETQP3MR68YFN	0.68	±20	0.59	7.4	7.4	6.3	±10	PCC-M0630M
ETQP3M1R0YFN	1.00	±20	0.88	6.6	6.6	7.9	±10	PCC-M0630M
ETQP3M1R5YFN	1.50	±20	1.36	5.6	5.6	11.0	±10	PCC-M0630M

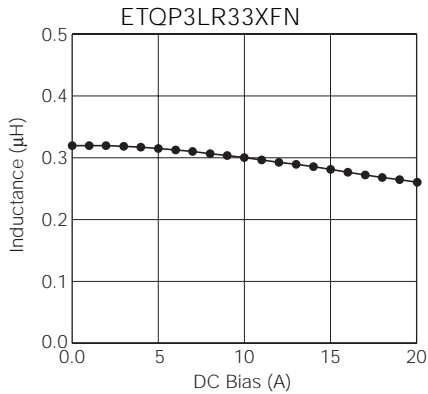
(*1) Inductance is measured at 100 kHz

(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

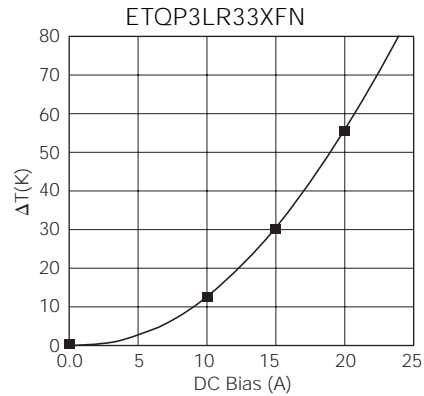
■ Performance Characteristics (Reference)

PCC-M0630L (MC)

● Inductance vs DC Current

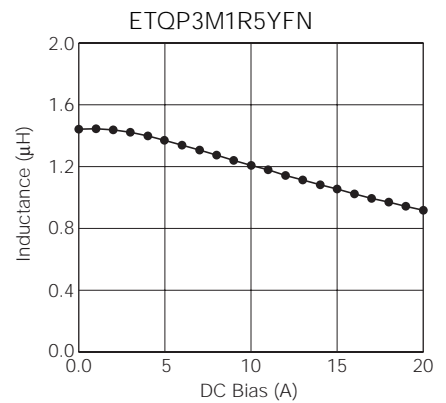
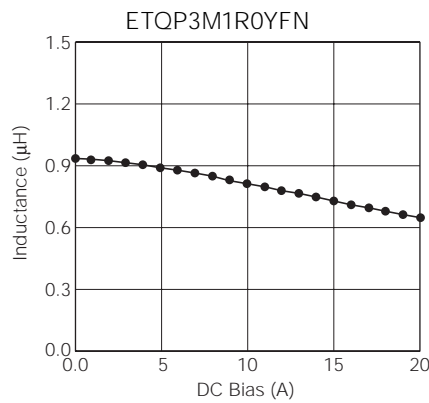
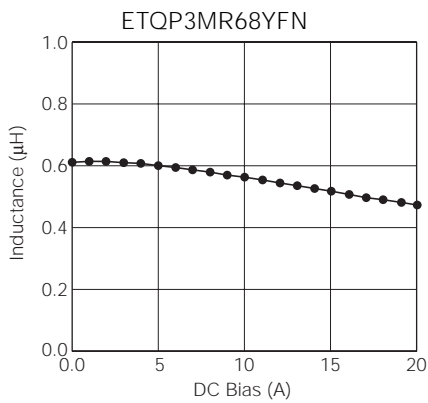


● Case Temperature vs DC Current

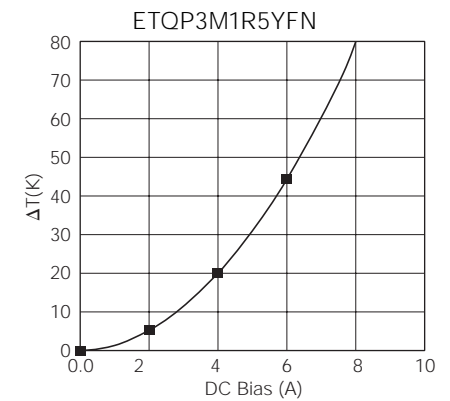
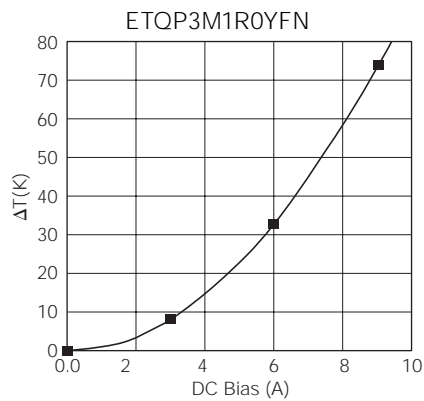
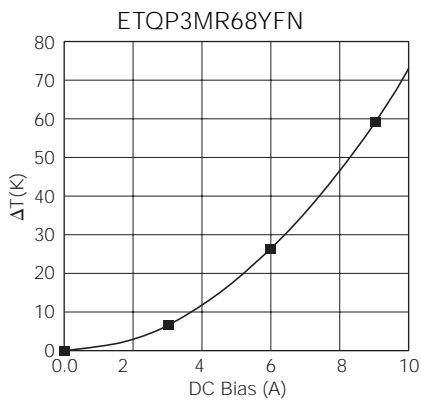


PCC-M0630M (MC)

● Inductance vs DC Current

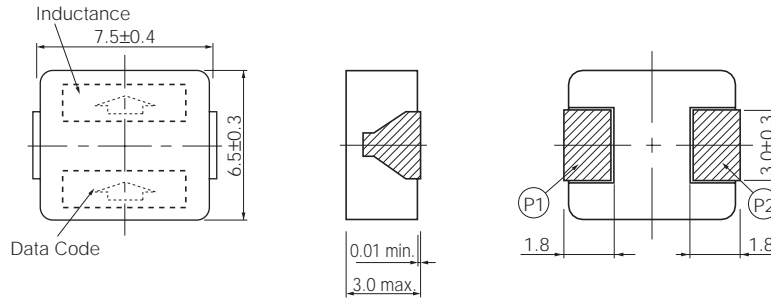


● Case Temperature vs DC Current

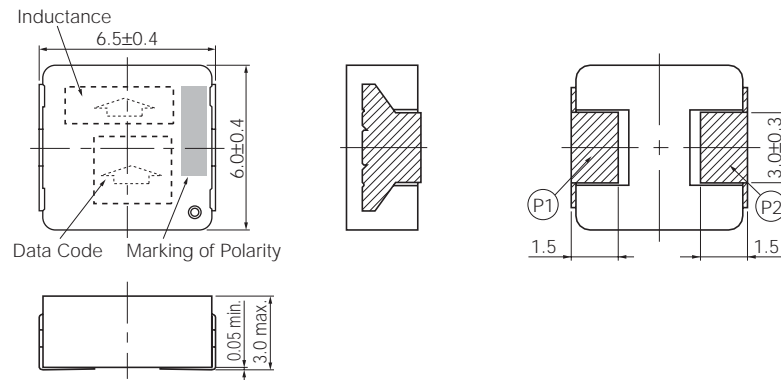


■ Dimensions in mm (not to scale)

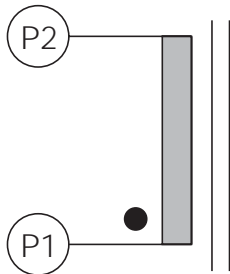
PCC-M0630L (MC) (ETQP3LR33XFN)



PCC-M0630M (MC) (ETQP3M***YFN)

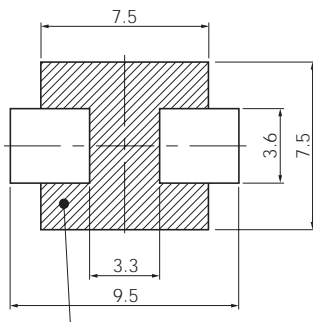


■ Connection



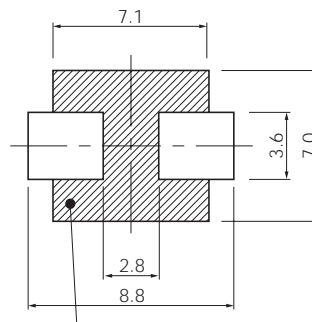
■ Recommended Land Pattern in mm (not to scale)

PCC-M0630L (MC) (ETQP3LR33XFN)



Not to contact the PWB.

PCC-M0630M (MC) (ETQP3M***YFN)



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