

### 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

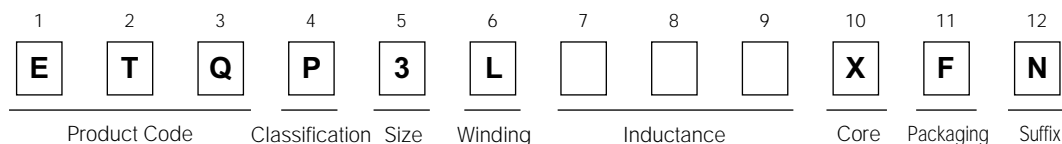
- Servers, Routers, DC-DC converters for driving CPUs
- Laptop and desktop PC power supply
- Power supply modules

#### ■ Standard Packing Quantity

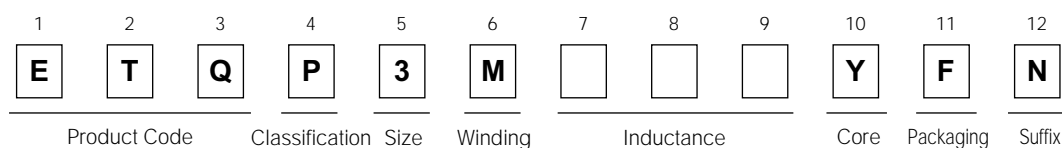
- 1000 pcs./Reel

#### ■ 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

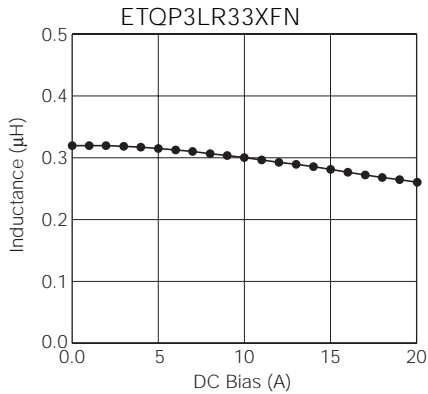
(\*1) Inductance is measured at 100 kHz

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

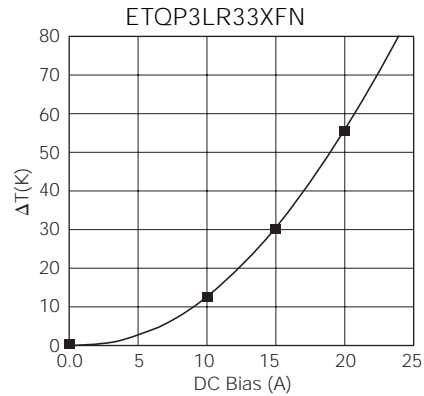
## ■ Performance Characteristics (Reference)

### PCC-M0630L (MC)

#### ● Inductance vs DC Current

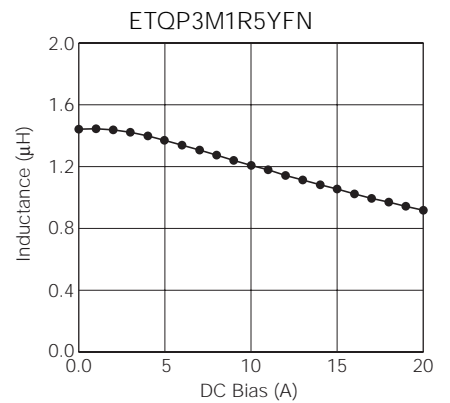
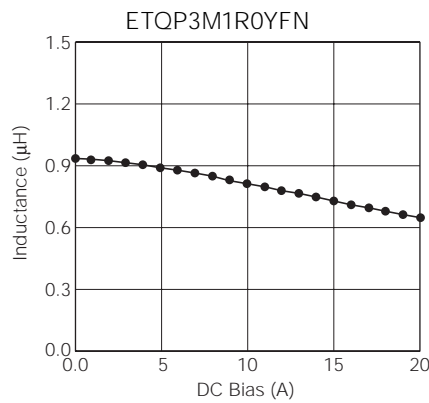
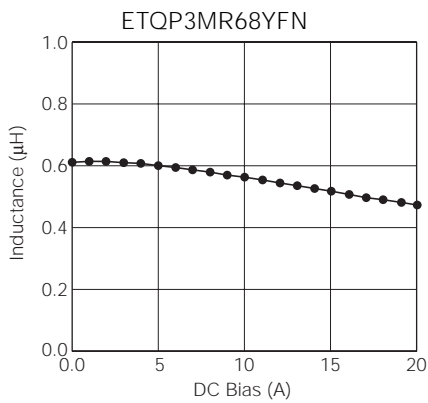


#### ● Case Temperature vs DC Current

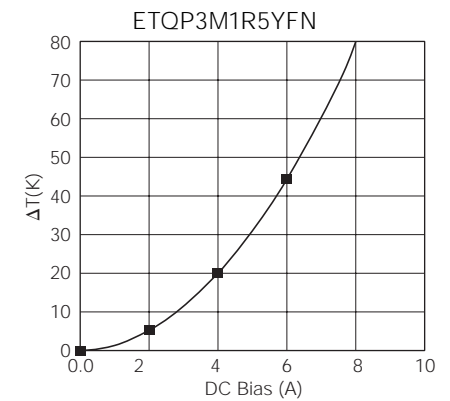
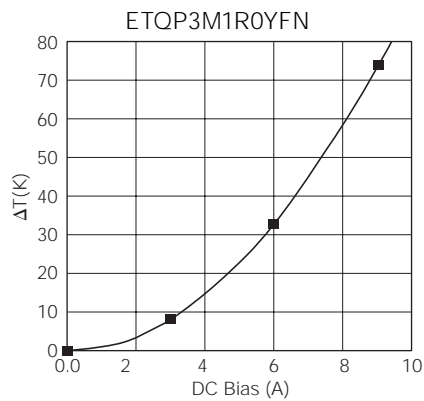
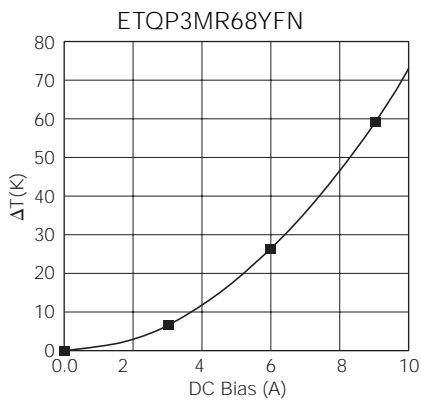


### PCC-M0630M (MC)

#### ● Inductance vs DC Current

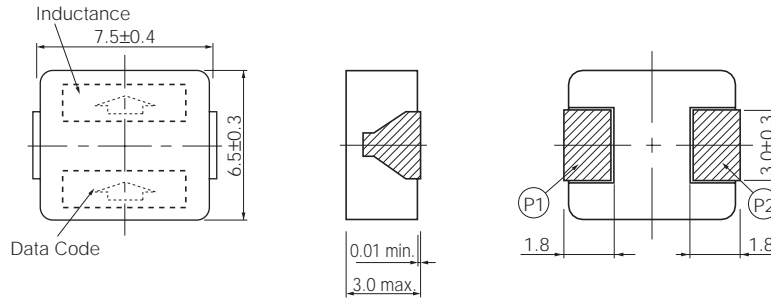


#### ● Case Temperature vs DC Current

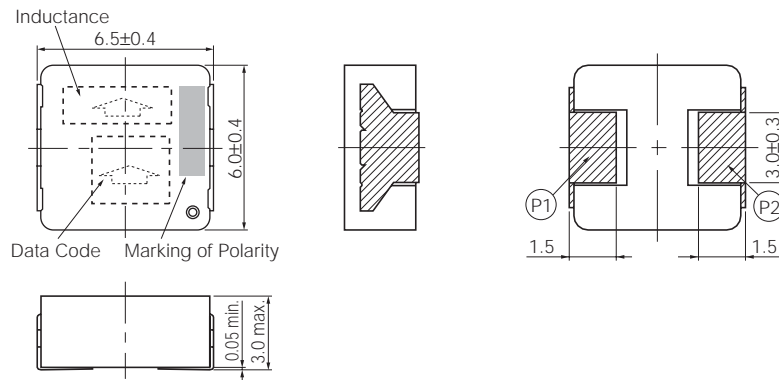


## ■ Dimensions in mm (not to scale)

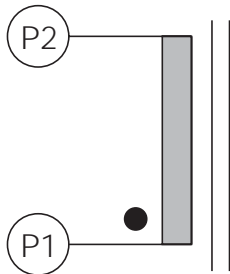
### PCC-M0630L (MC) (ETQP3LR33XFN)



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

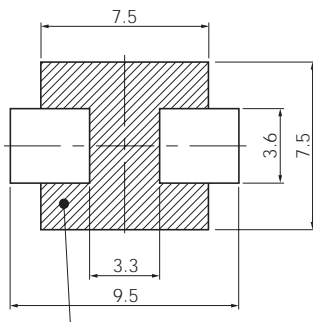


## ■ Connection



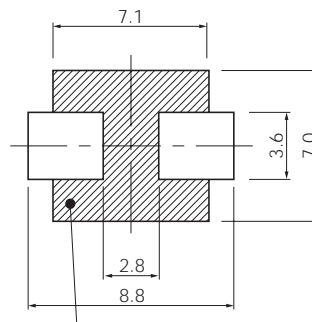
## ■ Recommended Land Pattern in mm (not to scale)

### PCC-M0630L (MC) (ETQP3LR33XFN)



Not to contact the PWB.

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



Not to contact the PWB.