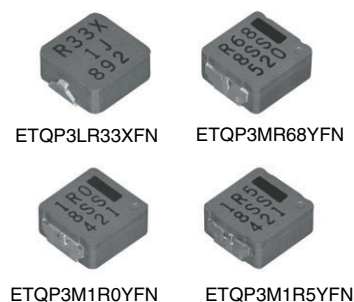


### Power Choke Coil

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

|              |   |   |                |      |         |            |   |   |      |           |        |
|--------------|---|---|----------------|------|---------|------------|---|---|------|-----------|--------|
| 1            | 2 | 3 | 4              | 5    | 6       | 7          | 8 | 9 | 10   | 11        | 12     |
| E            | T | Q | P              | 3    | L       |            |   |   | X    | F         | N      |
| Product Code |   |   | Classification | Size | Winding | Inductance |   |   | Core | Packaging | Suffix |

- PCC-M0630M series

|              |   |   |                |      |         |            |   |   |      |           |        |
|--------------|---|---|----------------|------|---------|------------|---|---|------|-----------|--------|
| 1            | 2 | 3 | 4              | 5    | 6       | 7          | 8 | 9 | 10   | 11        | 12     |
| E            | T | Q | P              | 3    | M       |            |   |   | Y    | F         | N      |
| Product Code |   |   | Classification | Size | Winding | Inductance |   |   | Core | Packaging | Suffix |

#### ■ 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 |

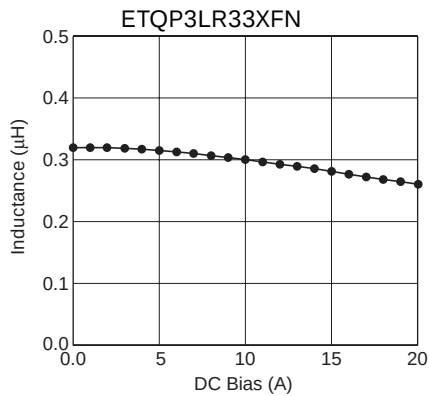
(\*1) Inductance is measured at 100 kHz

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

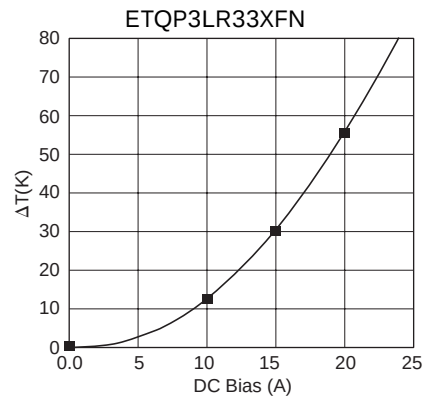
### ■ Performance Characteristics (Reference)

#### ● PCC-M0630L (MC)

##### ● Inductance vs DC Current

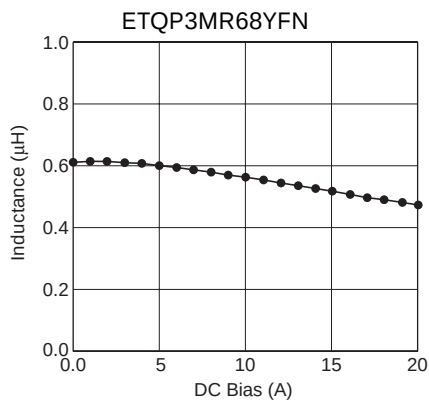
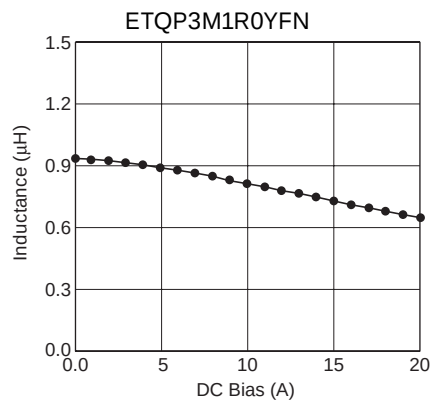
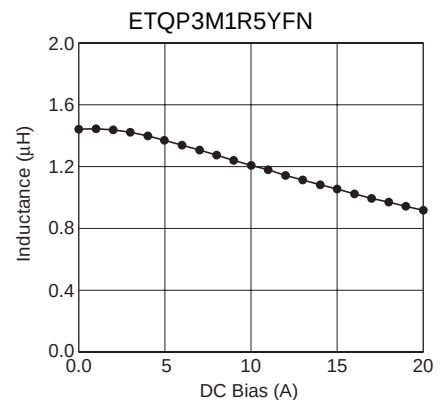


##### ● Case Temperature vs DC Current

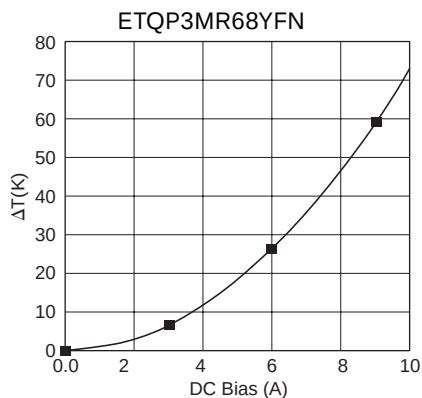
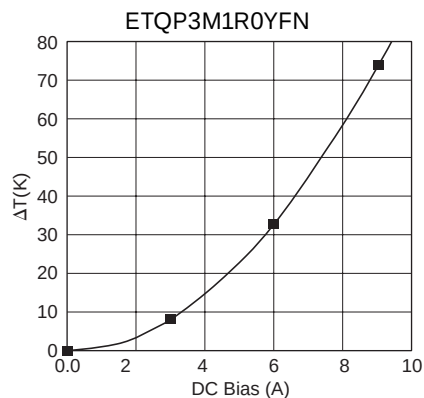
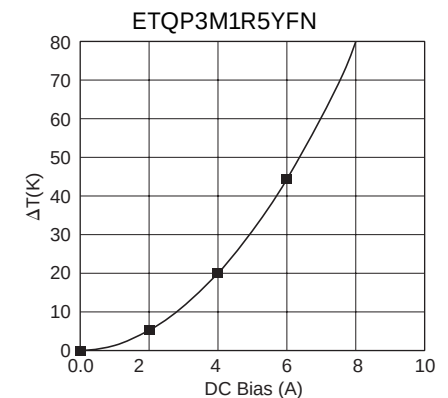


#### ● PCC-M0630M (MC)

##### ● Inductance vs DC Current

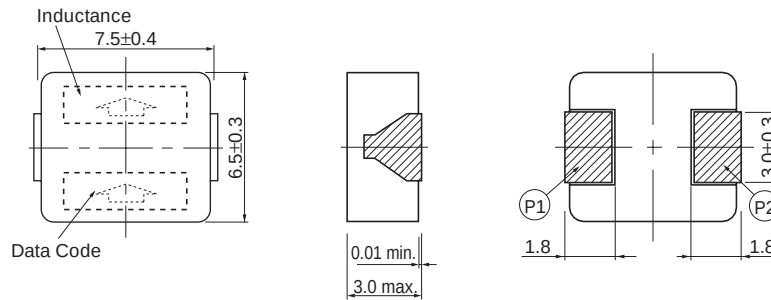


##### ● Case Temperature vs DC Current

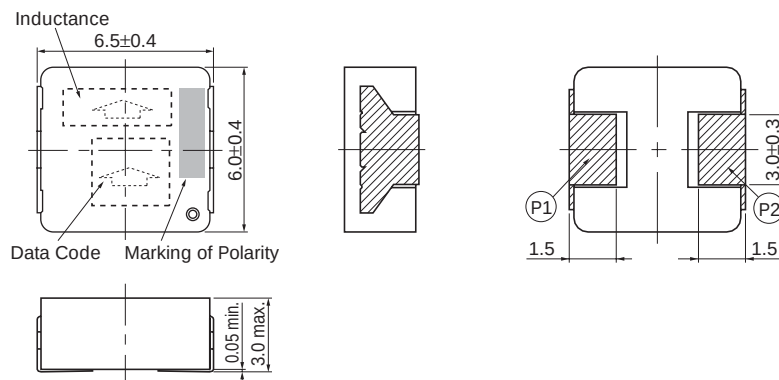


### ■ Dimensions in mm (not to scale)

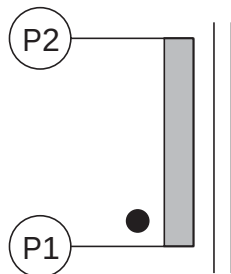
PCC-M0630L (MC)  
(ETQP3LR33XFN)



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

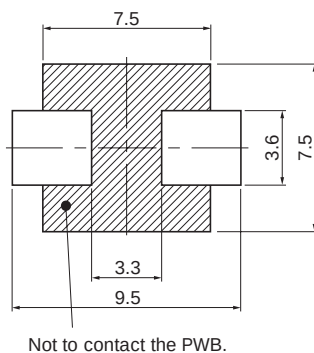


### ■ Connection



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

PCC-M0630L (MC)  
(ETQP3LR33XFN)



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

