

## Power Choke Coil

Japan  
Singapore

Series: **PCC-M104L (MC)**

Small mounting size for multi-phase DC-DC converter circuits



### ■ Features

- Small type (11.5×10.0×H4.0 mm)
- High power (21 A to 28 A)
- Low loss ( $R_{DC}$ : 0.7 to 1.56 m $\Omega$ )
- Tighter DCR tolerance ( $\pm 5\%$  to  $\pm 10\%$ )
- Suitable for high frequency circuit (up to 1 MHz)
- Low buzz noise due to its gap-less structure

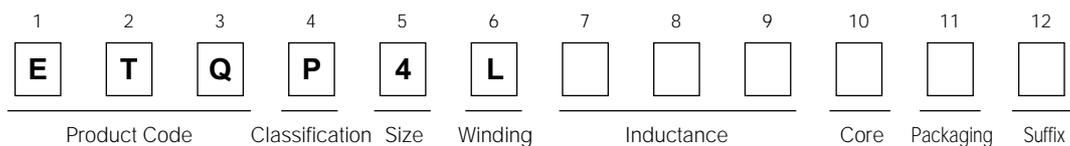
### ■ Recommended Applications

- Servers, Routers, DC-DC converters for driving CPUs
- Notebook PC power supply modules

### ■ Standard Packing Quantity

- 500 pcs./Reel

### ■ Explanation of Part Numbers



### ■ Standard Parts

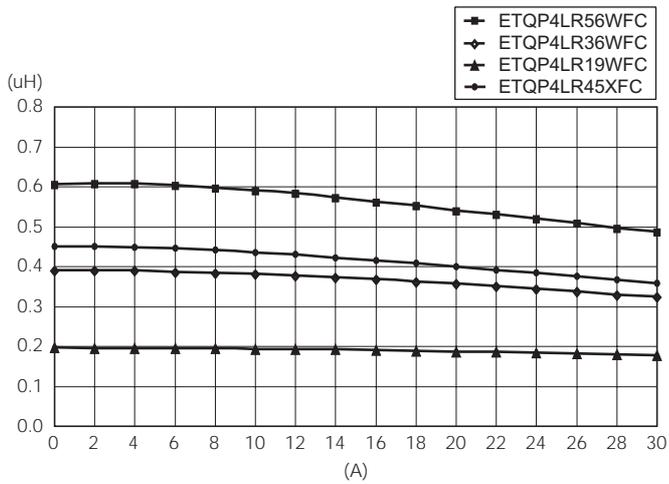
Part No.	Inductance (at 20 °C)					Rated current (A)	DC resistance (at 20 °C) (m $\Omega$ ) center
	L0 at 0A	L1		L2 (Reference)			
	( $\mu$ H)	( $\mu$ H)	Measurement current (A)	( $\mu$ H)	Measurement current (A)		
ETQP4LR19WFC	(0.20)	0.19 $\pm$ 20 %	21	(0.17)	28	28	0.70 $\pm$ 10 %
ETQP4LR36WFC	(0.37)	0.36 $\pm$ 20 %	17	(0.34)	24	24	1.10 $\pm$ 5 %
ETQP4LR56WFC	(0.60)	0.56 $\pm$ 20 %	15	(0.53)	21	21	1.56 $\pm$ 5 %
ETQP4LR45XFC	0.45+20/-25 %	—	—	(0.38)	25	24	1.10 $\pm$ 5 %

(Note1) Inductance is measured at 100 kHz

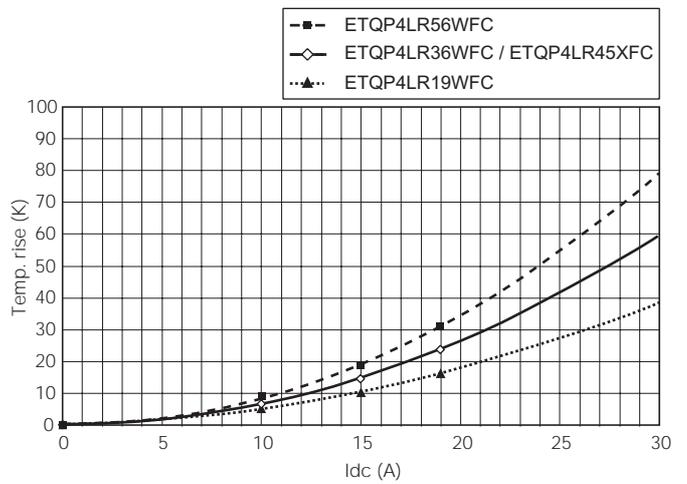
(Note2) Case heating current is the value of the current at which the temperature of the coil case rises 40 °C above its initial temperature with T(ambient)=25 °C

### Performance Characteristics (Reference)

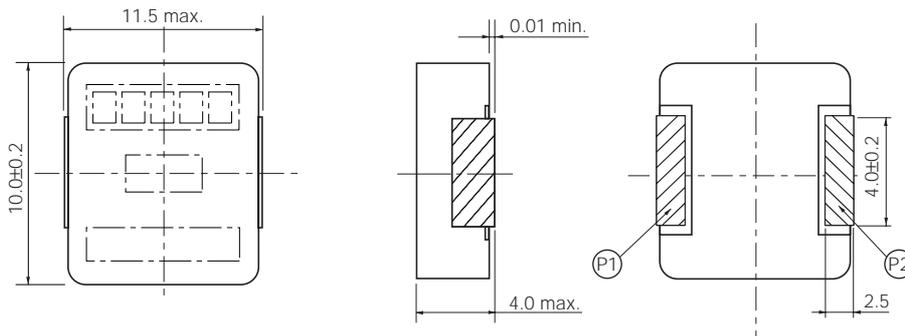
Inductance vs DC Current



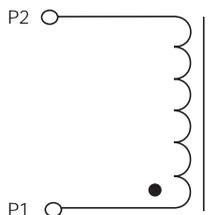
Case Temperature vs DC Current



### Dimensions in mm (not to scale)



### Connection



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

