

## Power Choke Coil

Series : **PCC-M1250L (MC)**



High power, Low loss, Low-profile

### Features

- High power (25 A to 30 A)
- Low loss ( $R_{DC}$  :0.8 to 1.1 m $\Omega$ )
- Narrow  $R_{DC}$  tolerance ( $\pm 5$  % to  $\pm 7$  %)
- Low profile (14.5×12.5×H5.0 mm)
- High frequency (up to 1 MHz)
- Low buzz noise due to its gap-less structure
- RoHS compliant

Shielded construction

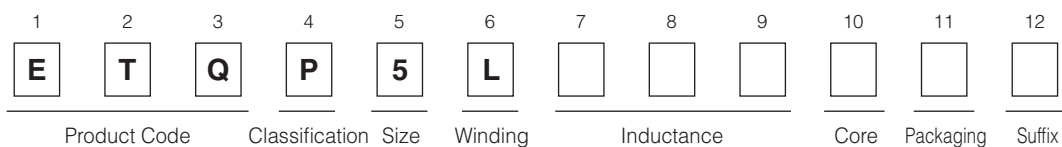
### Recommended Applications

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

### Standard Packing Quantity (Minimum Quantity/Packing Unit)

- 1,000 pcs./box (2 reel)

### Explanation of Part Numbers



### Standard Parts

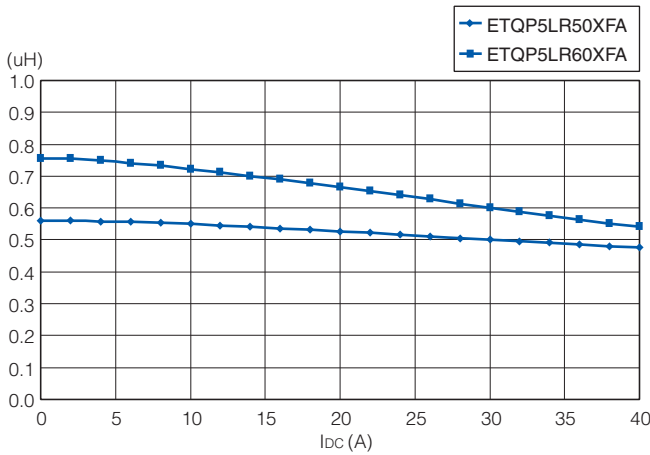
Part No.	Inductance (at 20 °C)*1				Rated current (A)*2	DC resistance (at 20 °C) (m $\Omega$ )
	L1		L2 (Reference)			
	( $\mu$ H)	Measurement current (A)	( $\mu$ H)	Measurement current (A)		
ETQP5LR50XFA	0.50 $\pm$ 20 %	30	(0.46)	42	30	0.80 $\pm$ 7 %
ETQP5LR60XFA	0.60 $\pm$ 20 %	30	(0.54)	42	27	1.10 $\pm$ 5 %

(\*1) Inductance is measured at 100 kHz.

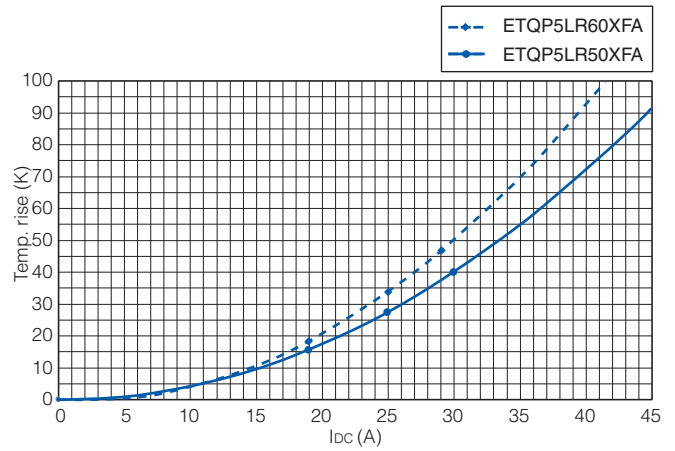
(\*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

## Performance Characteristics (Reference)

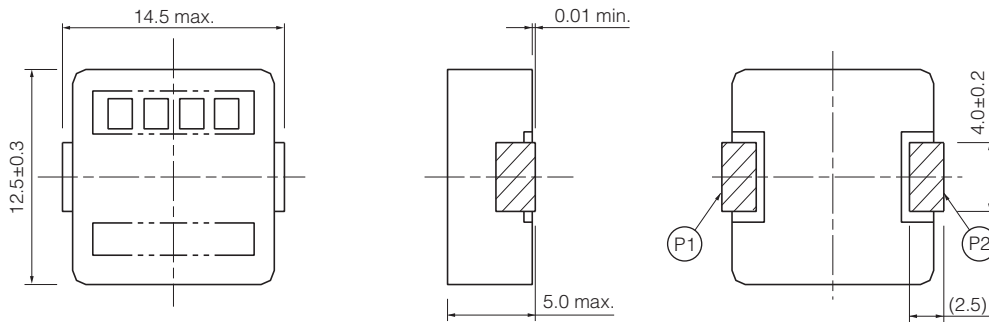
Inductance vs DC Current



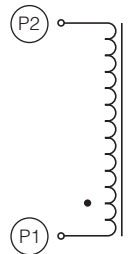
Case Temperature vs DC Current



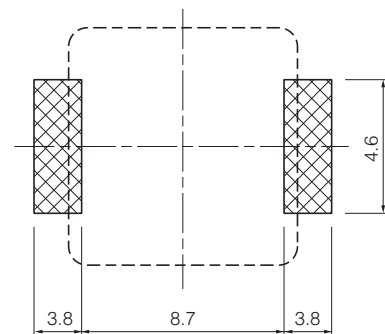
## Dimensions in mm (not to scale)



## Connection



## Recommended land patterns in mm (not to scale)



■ **As for Packaging Methods, Soldering Conditions and Safety Precautions (Power Choke Coils for Consumer use),**  
Please see Data Files