

### Power Choke Coil

Series: **PCC-M125L (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

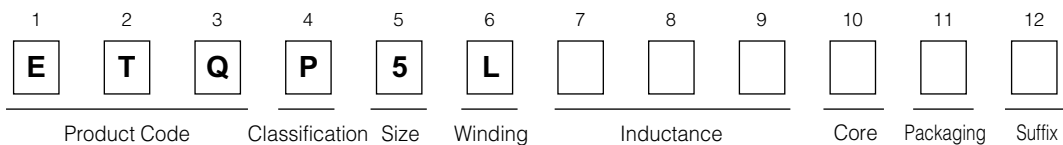
#### ■ Recommended Applications

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

#### ■ Standard Packing Quantity

- 1000 pcs./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 %

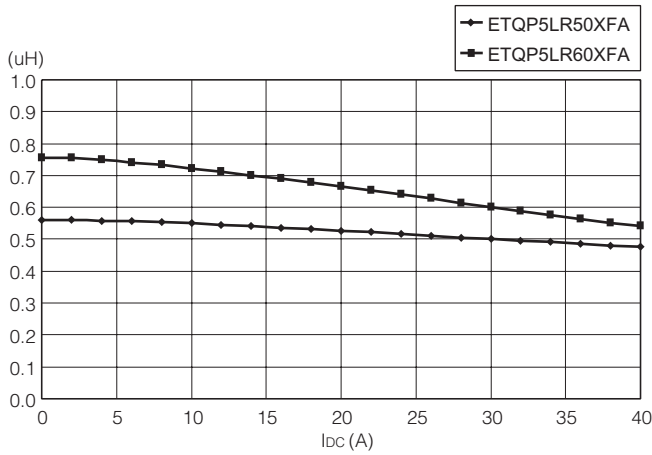
(\*1) Inductance is measured at 100 kHz.

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

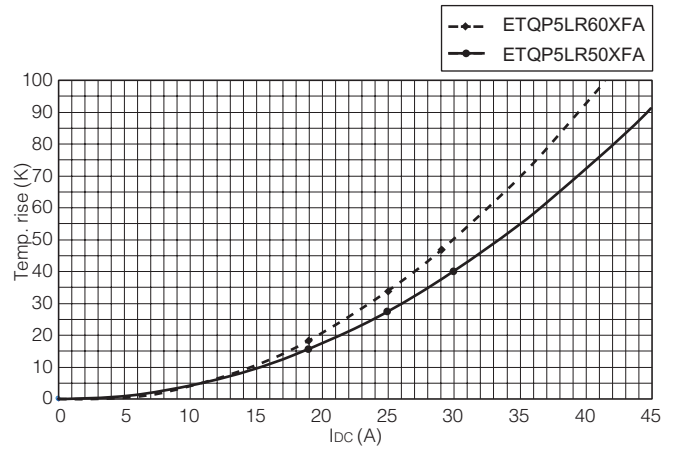
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

## Performance Characteristics (Reference)

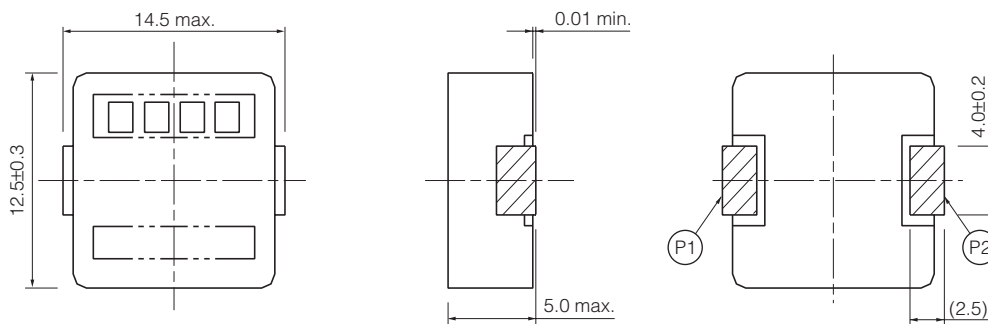
Inductance vs DC Current



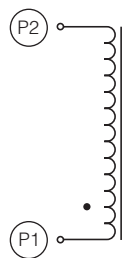
Case Temperature vs DC Current



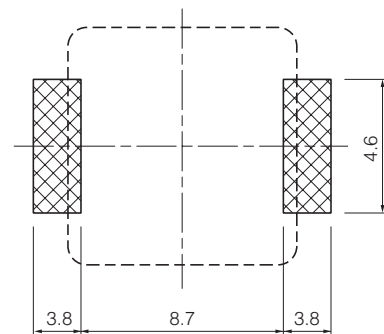
## Dimensions in mm (not to scale)



## Connection



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



## ⚠ Safety Precautions

Refer 91 page.

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