

### 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

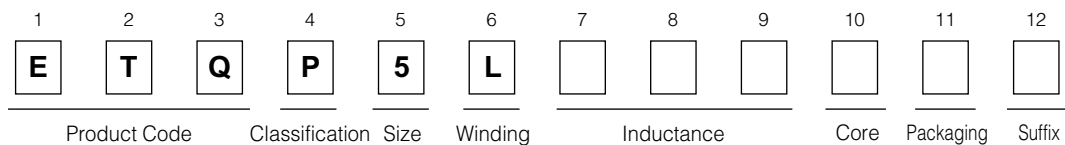
#### ■ Recommended Applications

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

#### ■ Standard Packing Quantity

- 500 pcs./Reel

#### ■ Explanation of Part Numbers



#### ■ Standard Parts

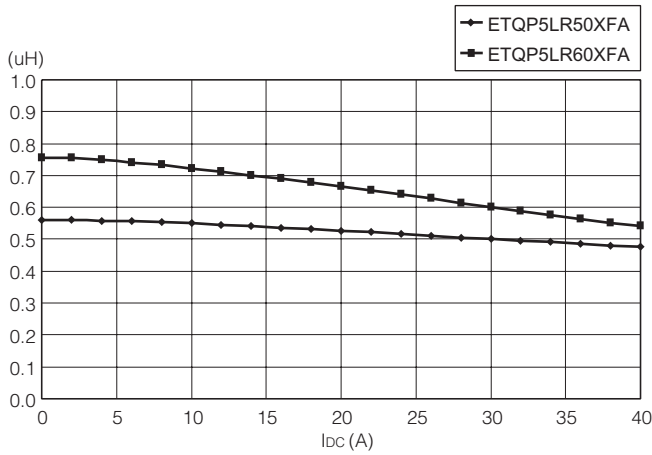
Part No.	Inductance (at 20 °C)*1				Rated current (A)*2	DC resistance (at 20 °C) (m $\Omega$ )
	L1		L2 (Reference)			
	( $\mu$ H)	Measurement current (A)	( $\mu$ H)	Measurement current (A)		
ETQP5LR50XFA	0.50 $\pm$ 20 %	30	(0.46)	42	27	0.80 $\pm$ 7 %
ETQP5LR60XFA	0.60 $\pm$ 20 %	30	(0.54)	42	30	1.10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

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

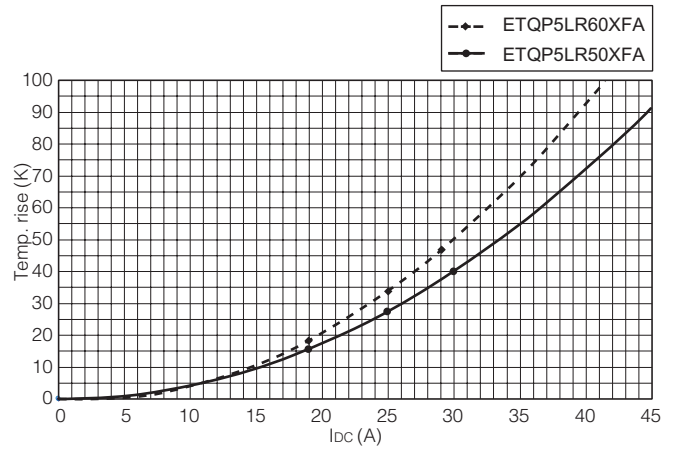
(\*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

### Performance Characteristics (Reference)

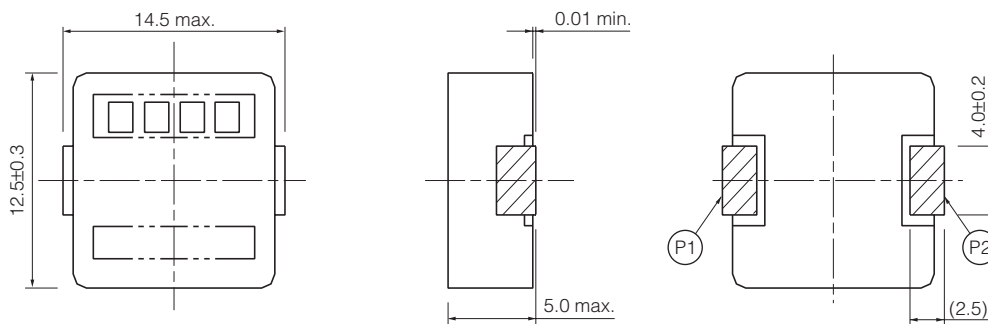
Inductance vs DC Current



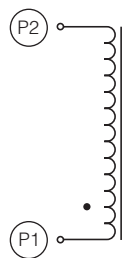
Case Temperature vs DC Current



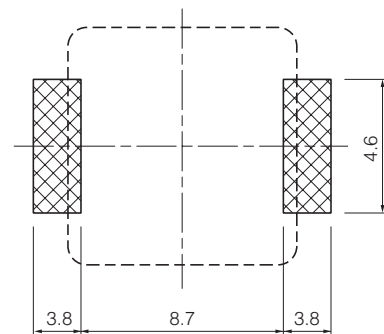
### Dimensions in mm (not to scale)



### Connection



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



### ⚠ Safety Precautions

Refer 92 page.