

## Power Choke Coil

Series: **PCC-M0630W (MC)**

High power, Low loss, Low-profile

**■ Features**

- Small type (7.3×6.6×H3.0 mm)
- High power (3.8 A to 8.1 A)
- Low loss ( $R_{DC}$  : 6.9 to 35.0 mΩ)
- Suitable for high frequency circuit (up to 1 MHz)
- Low buzz noise due to its gap-less structure

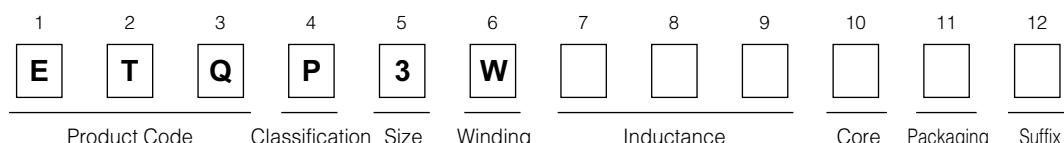
RoHS compliant

**■ Recommended Applications**

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

**■ Standard Packing Quantity**

- 1000 pcs./Reel

**■ Explanation of Part Numbers****■ Standard Parts**

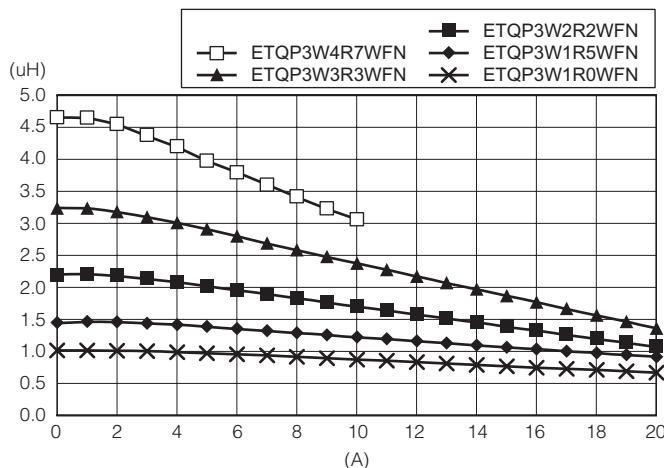
Part No.	Inductance (at 20 °C)* <sup>1</sup>			Rated current (A)* <sup>2</sup>	DC resistance (at 20 °C) (mΩ)
	L0 at 0A		L1 (Reference)		
	(μH)	(μH)	Measurement current (A)		
ETQP3W1R0WFN	1.0±20 %	(0.92)	8.1	8.1	6.9±15 %
ETQP3W1R5WFN	1.5±20 %	(1.33)	6.6	6.6	9.8±15 %
ETQP3W2R2WFN	2.2±20 %	(1.95)	5.8	5.8	15.5±15 %
ETQP3W3R3WFN	3.3±20 %	(2.90)	4.8	4.8	25.0±15 %
ETQP3W4R7WFN	4.7±20 %	(4.20)	3.8	3.8	33.0±15 %

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

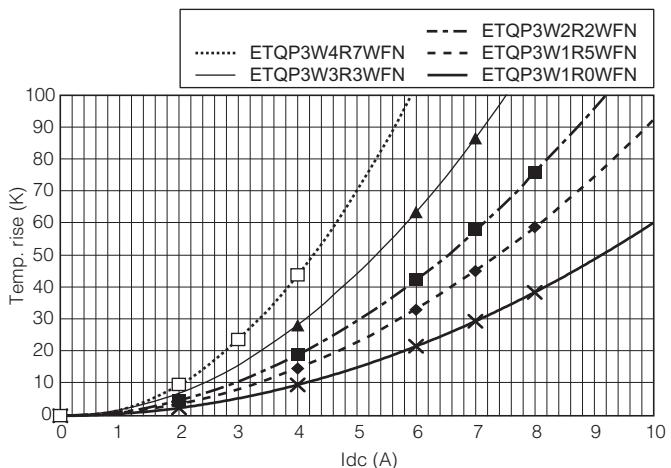
(\*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

### ■ Performance Characteristics (Reference)

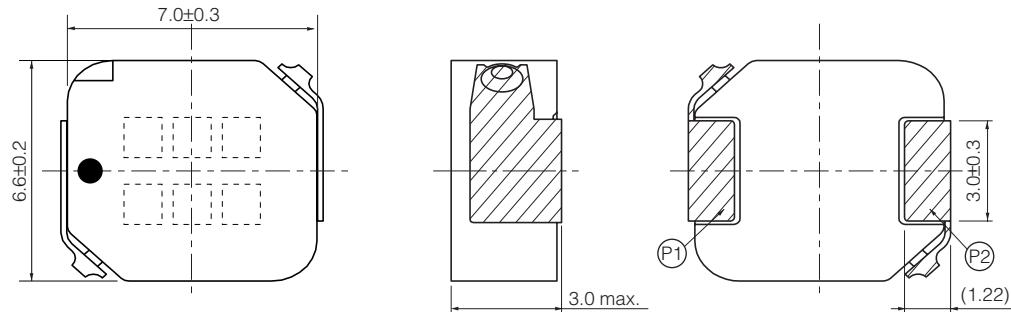
Inductance vs DC Current



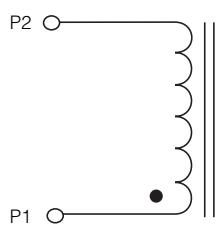
Case Temperature vs DC Current



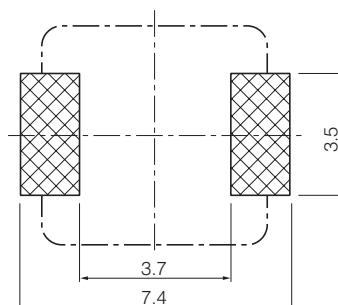
### ■ Dimensions in mm (not to scale)



### ■ Connection



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



### ■ Packaging Methods

Please see Pages 202 to 203

### ■ Soldering Conditions

Please see Page 204

### ■ Safety Precautions

Please see Page 205

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.

00 Sep. 2010