

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

1	2	3	4	5	6	7	8	9	10	11	12		
E	T	Q	P	3	W								
Product Code			Classification		Size	Winding			Inductance		Core	Packaging	Suffix

■ Standard Parts

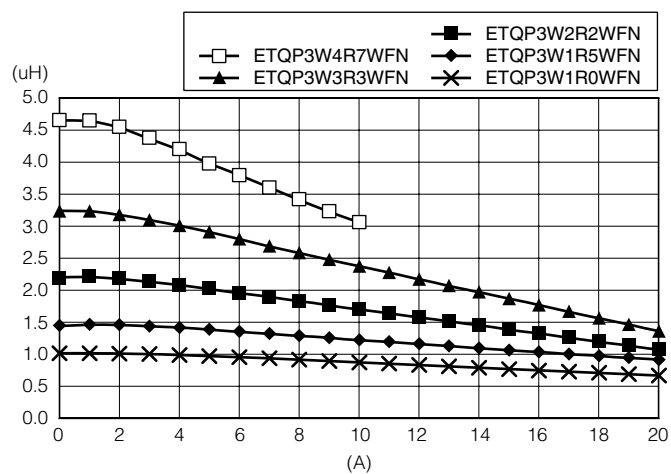
Part No.	Inductance (at 20 °C)* ¹			Rated current (A)* ²	DC resistance (at 20 °C) (mΩ)
	L0 at 0A	L1 (Reference)			
	(μH)	(μH)	Measurement current (A)		
ETQP3W1R0WFN	1.0±20 %	(0.92)	8.1	8.1	6.9±15 %
ETQP3W1R5WFN	1.5±20 %	(1.33)	6.6	6.6	9.8±15 %
ETQP3W2R2WFN	2.2±20 %	(1.95)	5.8	5.8	15.5±15 %
ETQP3W3R3WFN	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.

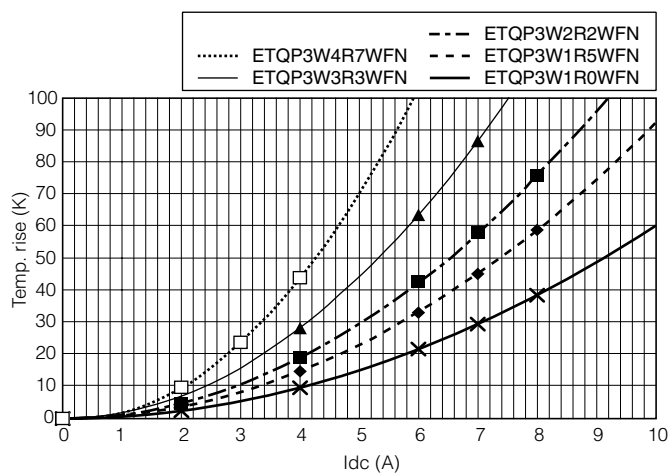
(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

■ Performance Characteristics (Reference)

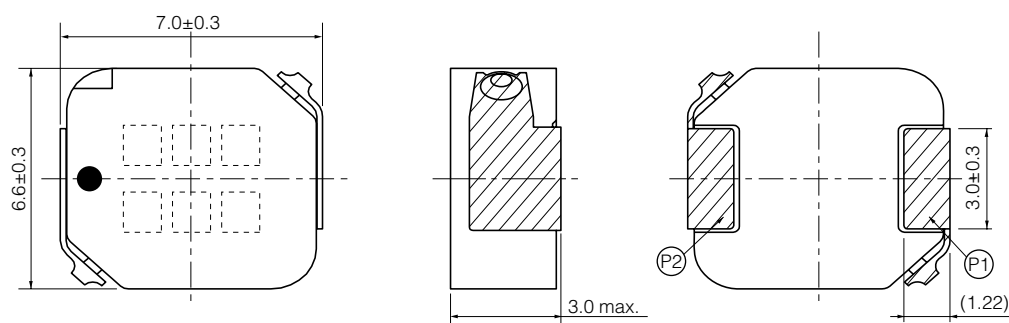
Inductance vs DC Current



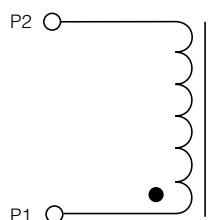
Case Temperature vs DC Current



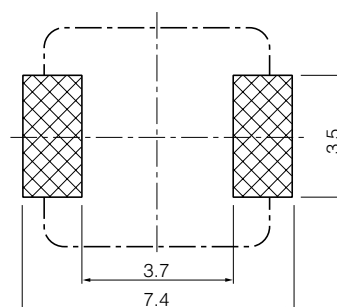
■ Dimensions in mm (not to scale)



■ Connection



■ Recommended Land Pattern in mm (not to scale)



■ Packaging Methods, Soldering Conditions and Safety Precautions (Power Choke Coils for Consumer use)

Please see Data Files