



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Power Choke Coil

Series: **PCC-M0512W (MC)**

High power, Low loss, Low-profile



■ Features

- Small type (5.4×5.15×H1.2 mm)
- High power (2.2 A to 5.5 A)
- Low loss (R_{DC} :19.2 to 168.0 mΩ)
- Suitable for high frequency circuit (up to 1 MHz)
- Low buzz noise due to its gap-less structure
- RoHS compliant

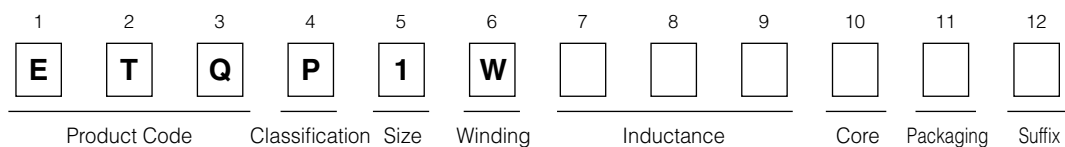
■ Recommended Applications

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

■ Standard Packing Quantity

- 3000 pcs./Reel

■ Explanation of Part Numbers



■ Standard Parts

Part No.	Inductance (at 20 °C)*1			Rated current (A)*2	DC resistance (at 20 °C) (mΩ)
	L0 at 0A	L1*3			
	(μH)	(μH)	Measurement current (A)		
ETQP1WR47WFP	0.47±20 %	(0.42)	5.5	5.5	19.2
ETQP1W1R0WFP	1.00±20 %	(0.87)	4.4	4.4	46.5
ETQP1W2R2WFP	2.20±20 %	(1.80)	3.4	3.4	77.3
ETQP1W3R3WFP	3.30±20 %	(2.70)	2.8	2.8	103.0
ETQP1W4R7WFP	4.70±20 %	(3.90)	2.2	2.2	168.0

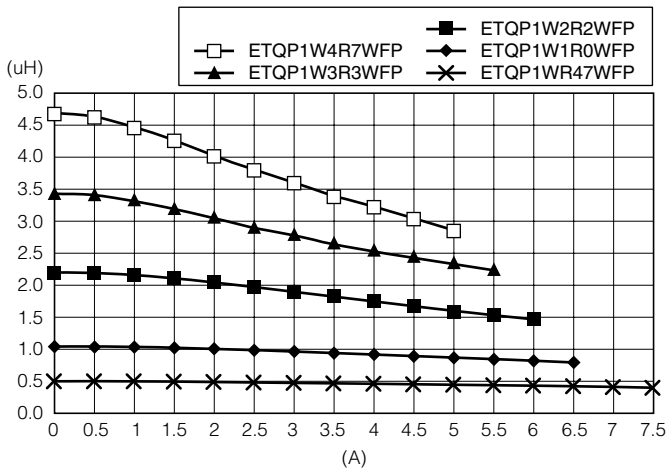
(*1) Inductance is measured at 100 kHz.

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

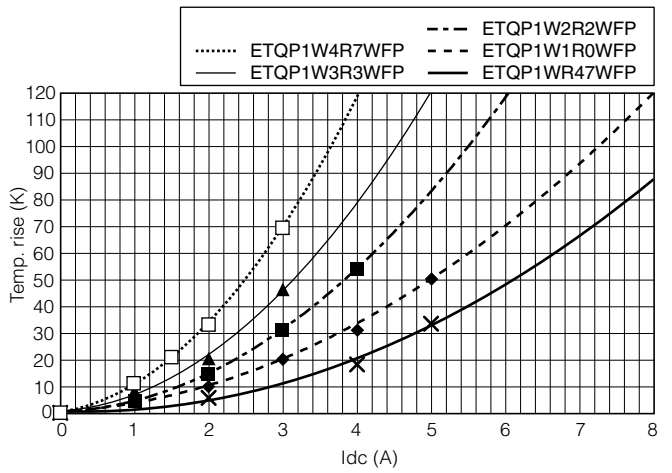
(*3) Reference Only

Performance Characteristics (Reference)

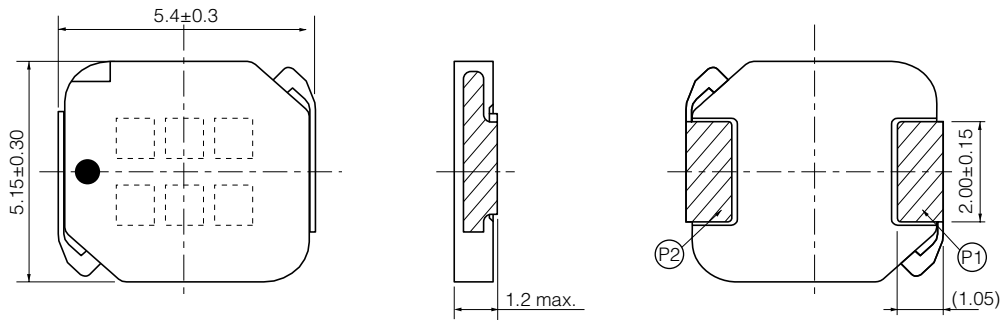
Inductance vs DC Current



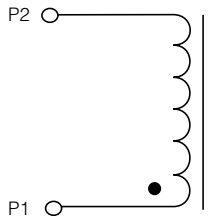
Case Temperature vs DC Current



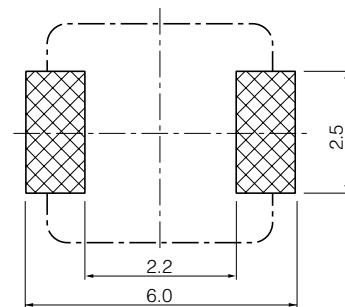
Dimensions in mm (not to scale)



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