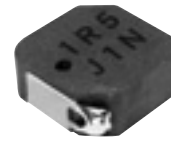


### Power Choke Coil

Series: **PCC-M104W (MC)**

High power, Low loss, Low-profile



Industrial Property : patents 10 (Registered 8 / Pending 2)

#### ■ Features

- Small type (11.0×10.0×H4.0 mm)
- High power (13 A)
- Low loss ( $R_{DC}$  : 4.0 m $\Omega$ )
- Suitable for high frequency circuit (up to 1 MHz)
- Low buzz noise due to its gap-less structure
- RoHS compliant

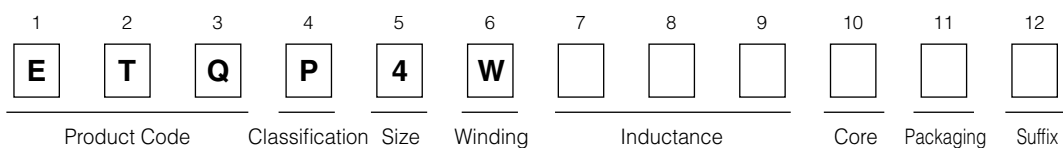
#### ■ Recommended Applications

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

#### ■ Standard Packing Quantity (Minimum Quantity/Packing Unit)

- 1000 pcs./box (2 reel)

#### ■ Explanation of Part Numbers



#### ■ Standard Parts

Part No.	Inductance (at 20 °C)*1			Rated current (A)*2	DC resistance (at 20 °C) (m $\Omega$ ) max.
	L0 at 0A	L1*3			
	( $\mu$ H)	( $\mu$ H)	Measurement current (A)		
ETQP4W1R5WFC	1.5±20 %	(1.27)	13	13	4.0±15 %

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

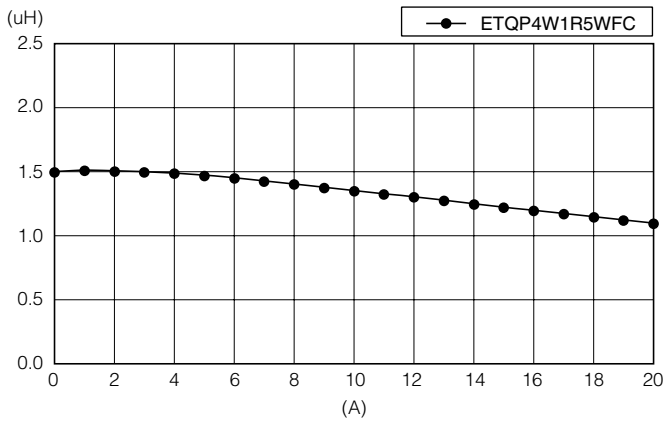
(\*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K. (Method A)

(\*3) Reference only

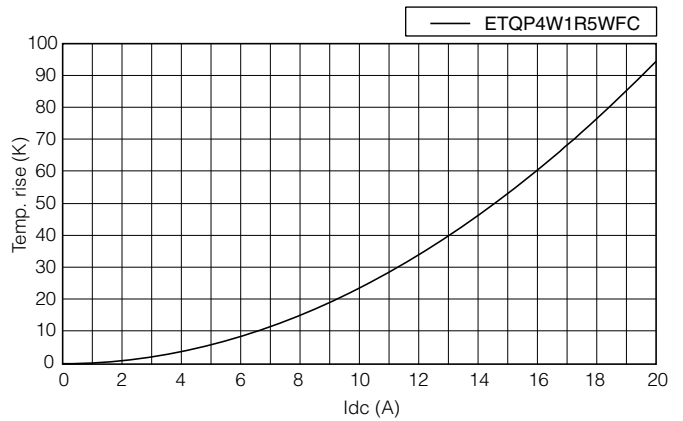
(\*4) Method A (PANASONIC's standard measurement conditions)

### Performance Characteristics (Reference)

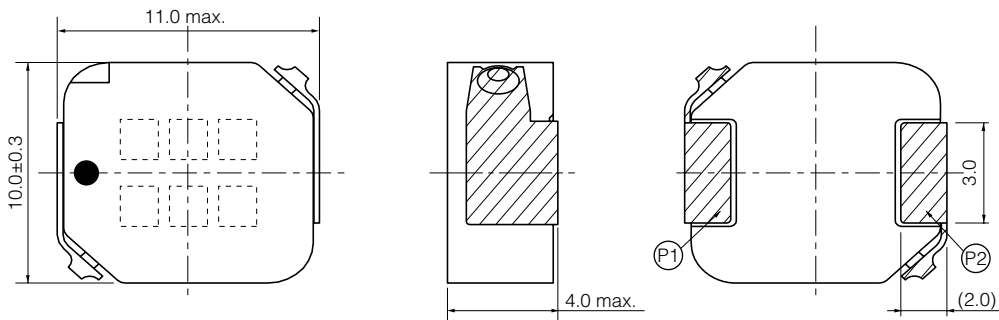
Inductance vs DC Current



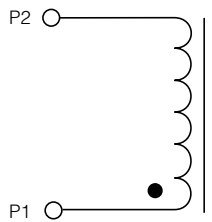
Case Temperature vs DC Current (Method A)



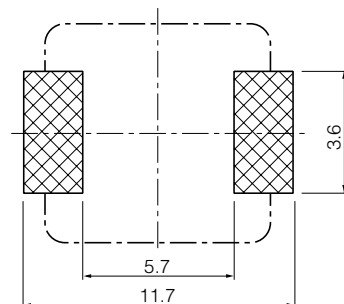
### Dimensions in mm (not to scale)



### 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