

Power Choke Coil

Series: **PCC-M104L (MC)**
Low DCR Type

Small mounting size for multi-phase DC-DC converter circuits



■ Features

- Small type (11.7×10.0×H4.0 mm)
- High power (21 A to 30 A)
- Low loss (R_{DC} : 0.76 to 1.58 mΩ)
- Tighter DCR tolerance (±5 %)
- Suitable for high frequency circuit (up to 1 MHz)
- Low buzz noise due to its gap-less structure
- RoHS compliant

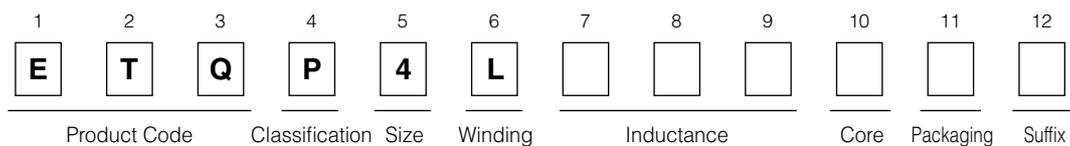
■ Recommended Applications

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

■ Standard Packing Quantity (Minimum Quantity/Packing Unit)

- 2000 pcs./box (2 reel)

■ Explanation of Part Numbers



■ Standard Parts

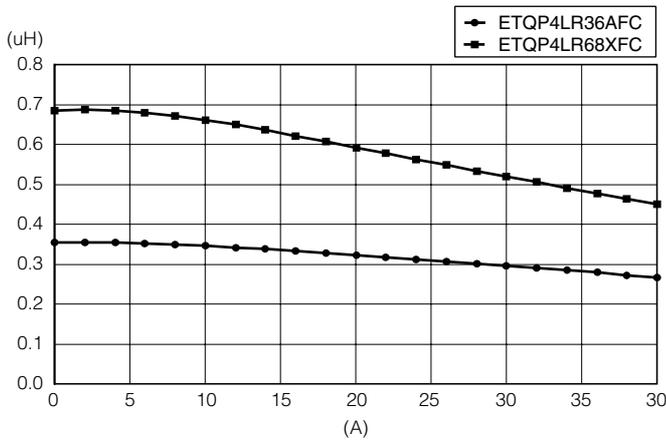
Part No.	Inductance (at 20 °C)*1			Rated current (A)*2	DC resistance (at 20 °C) (mΩ)
	L0 at 0A	L1			
	(μH)	(μH)	Measurement current (A)		
ETQP4LR36AFC	0.36±20 %	(0.29)	30	30	0.76±5 %
ETQP4LR68XFC	0.68±20 %	(0.59)	21	21	1.58±5 %

(*1) Inductance is measured at 100 kHz.

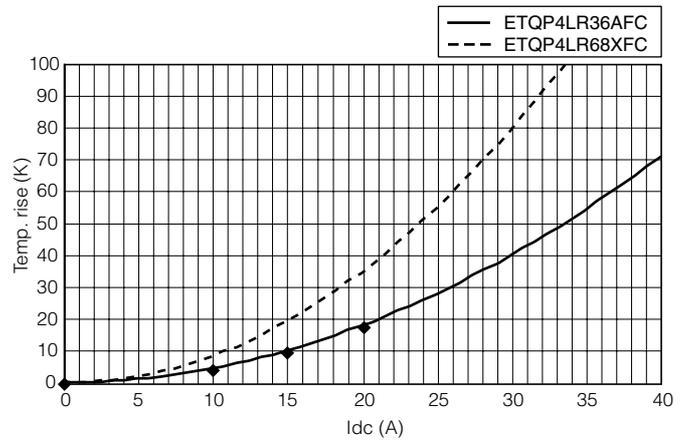
(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

Performance Characteristics (Reference)

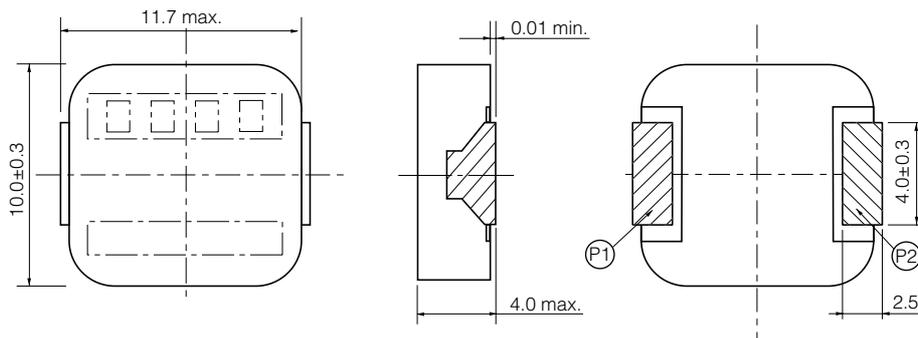
Inductance vs DC Current



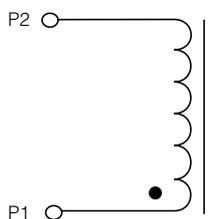
Case Temperature vs DC Current



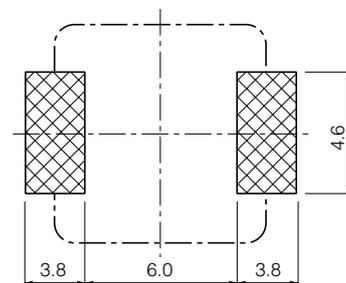
Dimensions in mm (not to scale)



Connection



Recommended Land Pattern in mm (not to scale)



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

Please see Data Files

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

[ETQ-P4LR36AFC](#) [ETQ-P4LR68XFC](#)