Panasonic

Power Choke Coil

Series: PCC-M1250L (MC)

*50× 5126J



High power, Low loss, Low-profile

Features

- High power (25 A to 30 A)
- \bullet Low loss (R_{\tiny DC} :0.8 to 1.1 m $\Omega)$
- Narrow R_{DC} tolerance (±5 % to ±7 %)
- Low profile (14.5×12.5×H5.0 mm)
- High frequency (up to 1 MHz)
- Low buzz noise due to its gap-less structure
- RoHS compliant

Shielded construction

Recommended Applications

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

Standard Packing Quantity (Minimum Quantity/Packing Unit)

• 1,000 pcs./box (2 reel)

Explanation of Part Numbers



Standard Parts

Part No.	Inductance (at 20 °C)*1					
	L1		L2 (Reference)		Rated	DC resistance
	(µH)	Measurement current (A)	(µH)	Measurement current (A)	current (A) ^{*2}	(at 20 °C) (mΩ)
ETQP5LR50XFA	0.50±20 %	30	(0.46)	42	30	0.80±7 %
ETQP5LR60XFA	0.60±20 %	30	(0.54)	42	27	1.10±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.

4.0±0.

(P2)

Case Temperature vs DC Current

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Performance Characteristics (Reference)

Inductance vs DC Current

ETQP5LR50XFA --- ETQP5LR60XFA - ETQP5LR60XFA (uH) ETQP5LR50XFA 100 1.0 90 0.9 80 0.8 €70 0.7 <u>8</u>60 0.6 <u>e</u>50 0.5 40 <mark>لوط</mark> 0.4 30 0.3 20 0.2 10 0.1 0.0 0 0 10 30 35 40 45 5 10 15 20 25 30 35 40 5 15 20 25 0 IDC (A) IDC (A)

Dimensions in mm (not to scale)



Connection



Recommended land patterns in mm (not to scale)



■ As for Packaging Methods, Soldering Conditions and Safety Precautions (Power Choke Coils for Consumer use), Please see Data Files

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.