

Power Choke Coil

Japan
Singapore

Series: **PCC-D126F (N6B)**

Low profile, High power, Low loss



■ Features

- High power, high inductance (No saturation performance limitation due to metal dust core)
(14 A to 27 A/2.96 μ H to 0.54 μ H)
- Low loss due to low R_{DC} (using flat wire)
- Low buzz noise due to gap-less structure
- Surface mount, low profile
(H) 6.0 mm×(L)12.5 mm×(W)12.5 mm

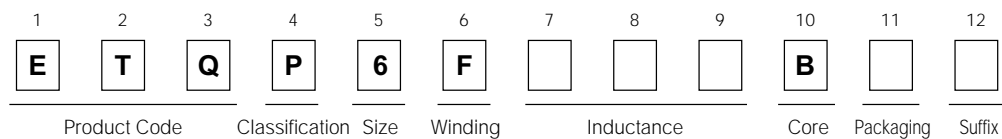
■ Recommended Applications

- DC-DC converters for CPU in PCs
- Thin on-board power supply modules for servers

■ Standard Packing Quantity

- 500 pcs./Reel

■ Explanation of Part Numbers



■ Standard Parts

| Part No. | Inductance (at 20 °C) | | | | | Rated current (A) | DC resistance (at 20 °C) (m Ω) center |
|--------------|-----------------------|---------------|-------------------------|----------------|-------------------------|-------------------|---|
| | L1 | | | L2 (Reference) | | | |
| | (μ H) | Tolerance (%) | Measurement current (A) | (μ H) | Measurement current (A) | | |
| ETQP6F0R6BFA | 0.58 | ±20 | 19 | 0.54 | 27 | 19 | 1.44 |
| ETQP6F1R1BFA | 1.06 | | 16 | 0.99 | 22 | 16 | 2.24 |
| ETQP6F1R8BFA | 1.71 | | 14 | 1.50 | 20 | 14 | 3.30 |
| ETQP6F2R5BFA | 2.45 | | 12 | 2.17 | 17 | 12 | 4.92 |
| ETQP6F3R4BFA | 3.32 | | 10 | 2.96 | 14 | 10 | 6.48 |

(Note1) Inductance is measured at 100 kHz

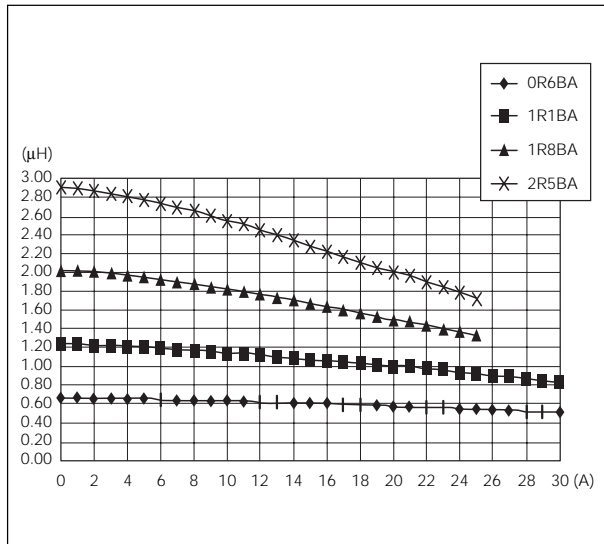
(Note2) Case heating current is the value of the current at which the temperature of the coil case rises 40 °C above its initial temperature with T(ambient)=25 °C

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.

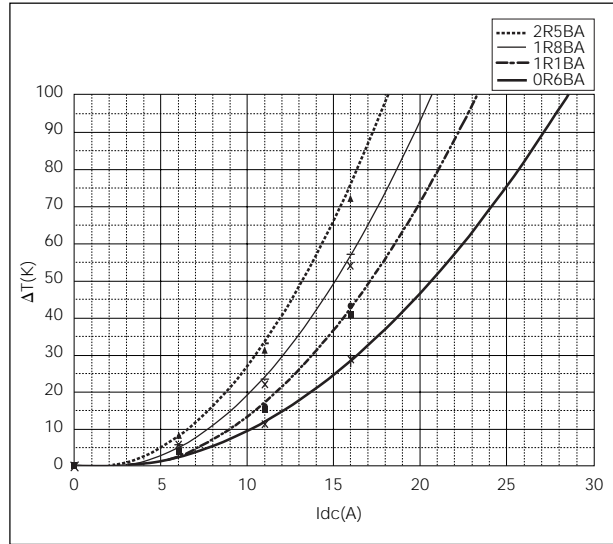
Jun. 2006

Performance Characteristics (Reference)

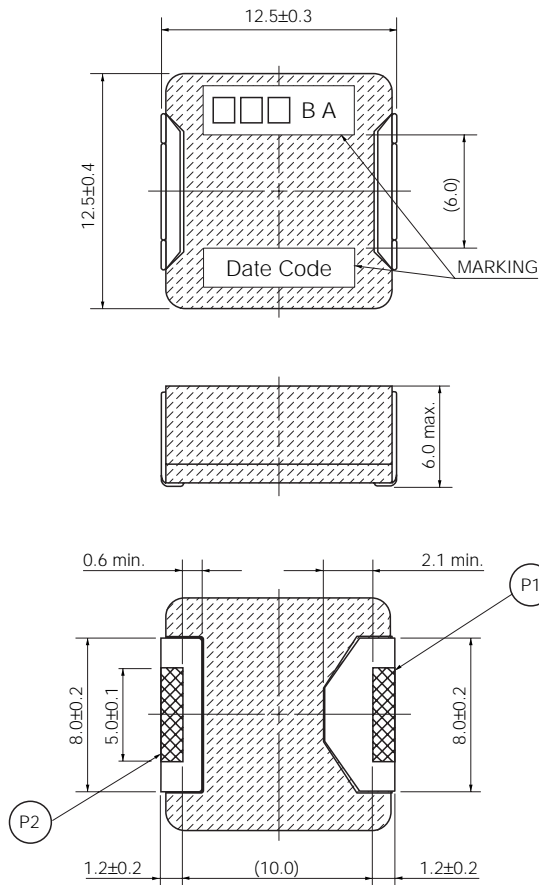
Inductance vs DC Current



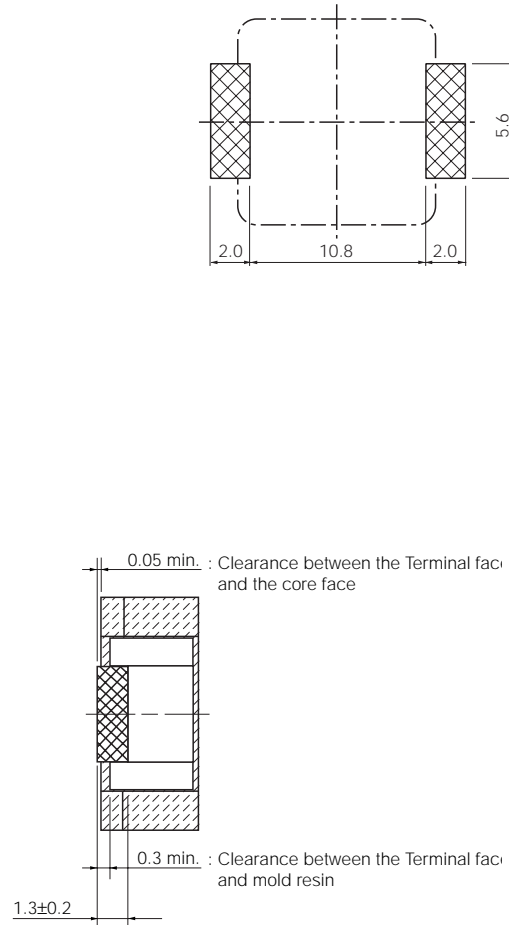
Case temperature vs DC Current



Dimensions in mm (not to scale)



Recommended Land Pattern in mm (not to scale)



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