Power Choke Coil

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 µH to 0.54 µH)
- Low loss due to low R_{DC} (using flat wire)
- Low buzz noise due to its gap-less structure
- Surface mount, low profile
  (H) 6.0 mm×(L)12.5 mm×(W)12.5 mm
- RoHS compliant

■ 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

1	2	3	4	5	6	7	8	9	10	11	12
E	T	Q	P	6	F				B		
Product Code			Classification	Size	Winding	Inductance			Core	Packaging	Suffix

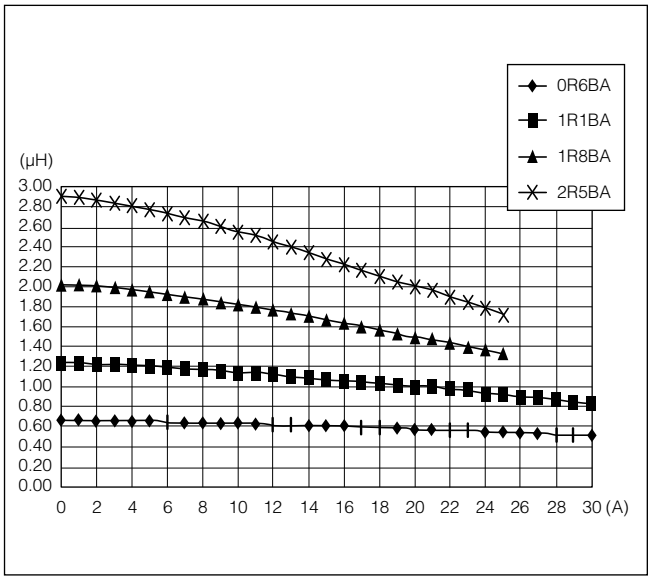
■ Standard Parts

Part No.	Inductance (at 20 °C)*1					Rated current (A)*2	DC resistance (at 20 °C) (mΩ) max.
	L1			L2 (Reference)			
	(µH)	Tolerance (%)	Measurement current (A)	(µH)	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

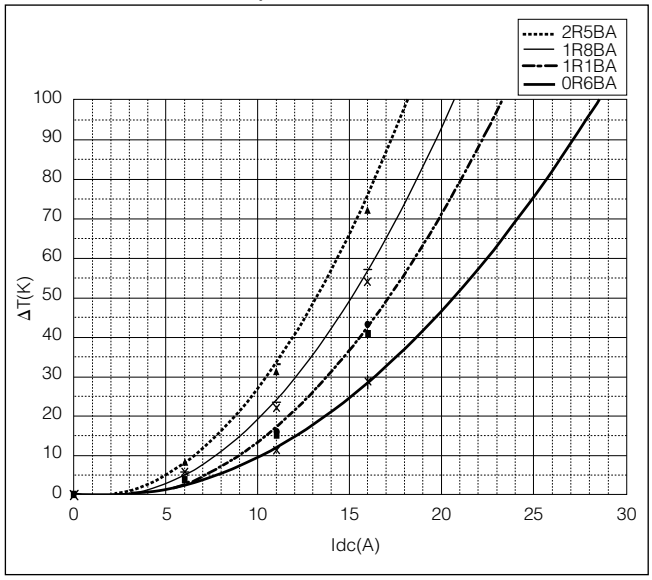
(*1) Inductance is measured at 100 kHz.
(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

■ Performance Characteristics (Reference)

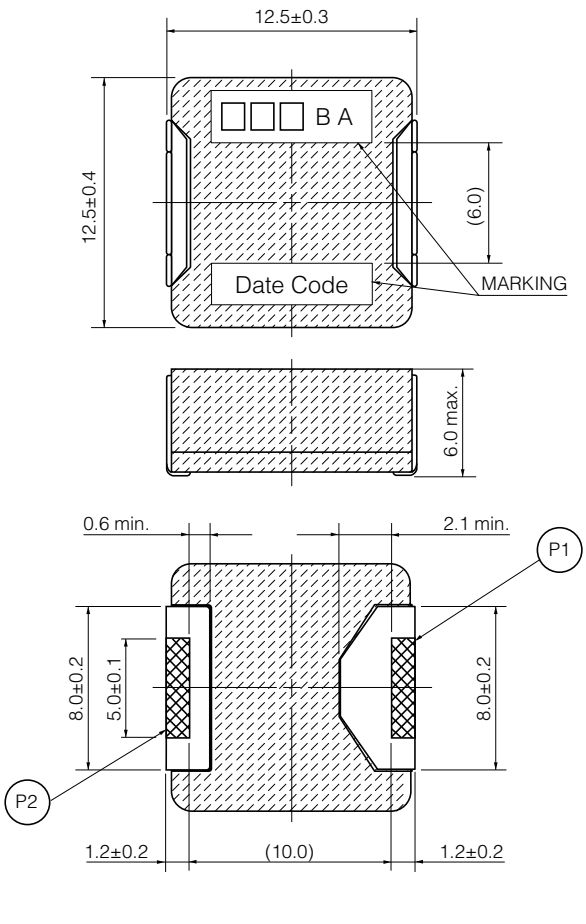
Inductance vs DC Current



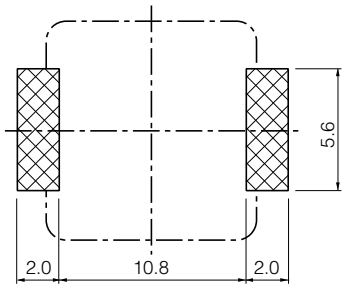
Case temperature vs DC Current

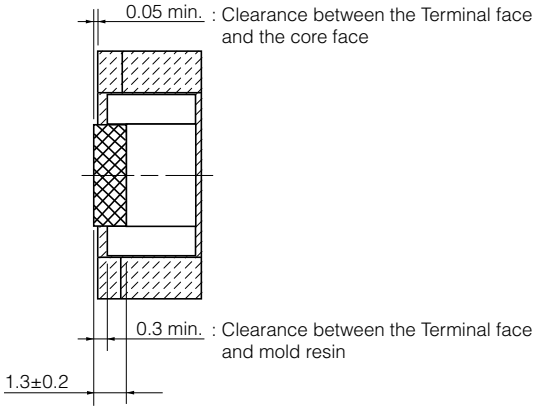


■ Dimensions in mm (not to scale)



■ 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