Power Choke Coil

Series: **PCC-D124H (NX1)**

Low profile, High power, Low loss

■ Features

- High power, high inductance (No saturation performance limitation due to metal dust core)
  (17 A to 32 A/1.25 µH to 0.32 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) 3.9 mm×(L)13.0 mm×(W)12.9 mm

■ Recommended Applications

- DC-DC converter 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		H				B		
Product Code			Classification	Size	Winding	Inductance			Core	Packaging	Suffix

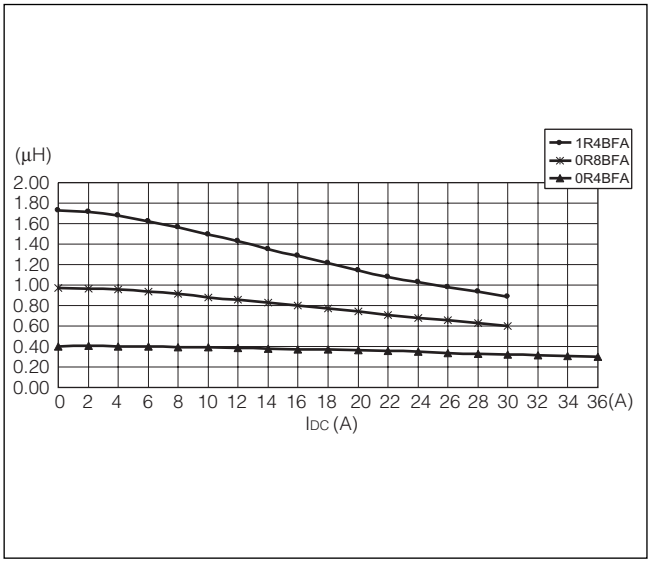
■ Standard Parts

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)		
ETQP3H0R4BFA	0.36	±20	23	0.32	32	23	1.04
ETQP3H0R8BFA	0.80		16	0.71	22	16	2.33
ETQP3H1R4BFA	1.43		12	1.25	17	12	4.52

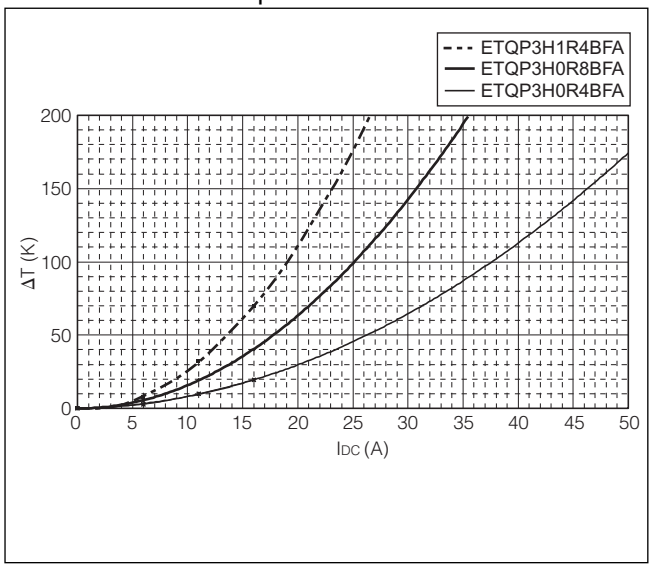
(*1) Inductance is measured at 100 kHz.
(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

■ Performance Characteristics (Reference)

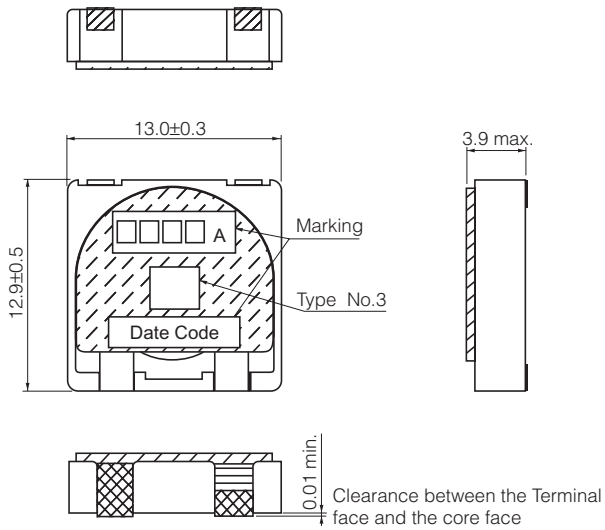
Inductance vs DC Current

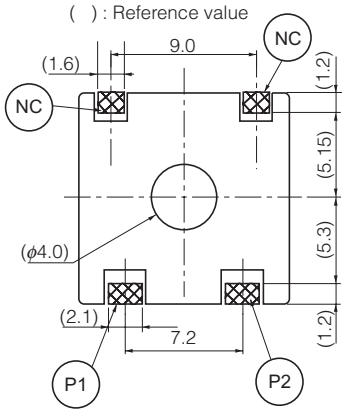


Case temperature vs DC Current

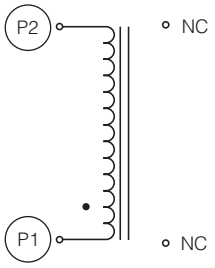


■ Dimensions in mm (not to scale)

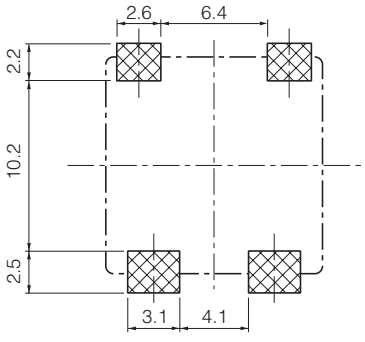




■ Connection



■ Recommended Land Pattern in mm (not to scale)



■ ⚠Safety Precautions

Refer 92 page.