

## 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  $\mu$ H to 0.32  $\mu$ H)
- 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
- RoHS compliant

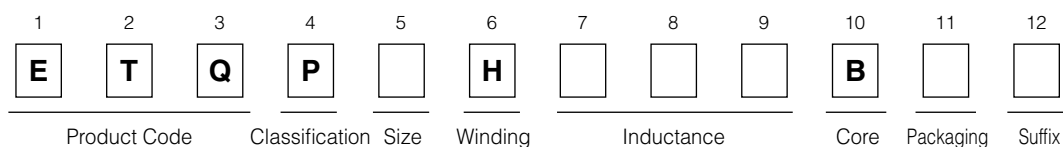
### ■ Recommended Applications

- 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



### ■ Standard Parts

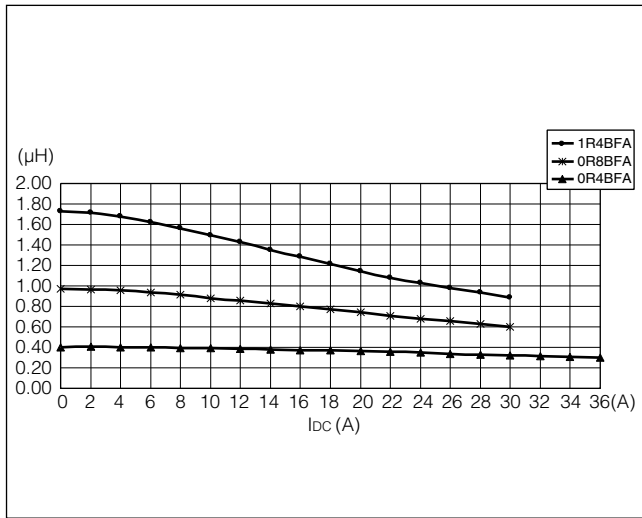
Part No.	Inductance (at 20 °C)*1					Rated current (A)*2	DC resistance (at 20 °C) (m $\Omega$ ) max.
	L1			L2 (Reference)			
	( $\mu$ H)	Tolerance (%)	Measurement current (A)	( $\mu$ H)	Measurement current (A)		
ETQP3H0R4BFA	0.36	±20	23	0.32	32	23	1.04
ETQP3H0R8BFA	0.80		16	0.71	22	16	2.33
ETQP3H1R4BFA	1.43		12	1.25	17	12	4.52

(\*1) Inductance is measured at 100 kHz.

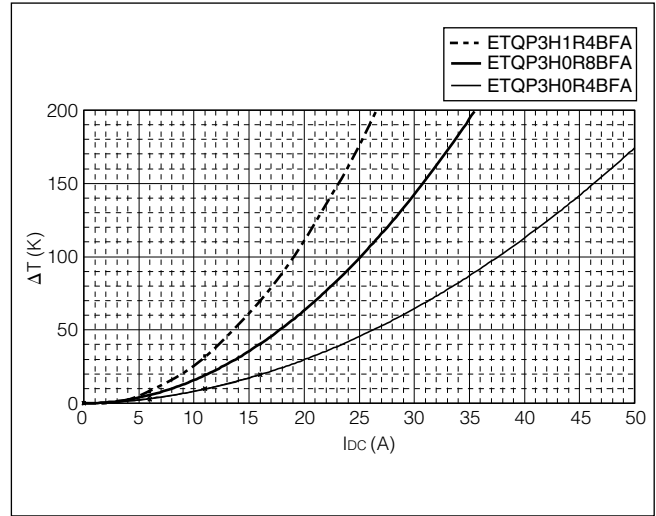
(\*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

## Performance Characteristics (Reference)

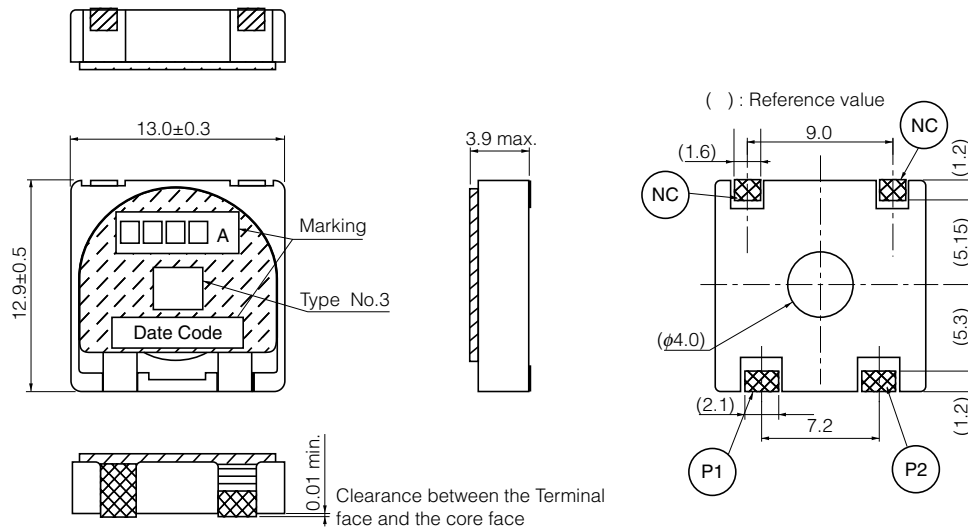
### Inductance vs DC Current



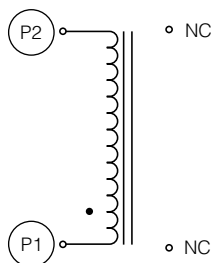
### Case temperature vs DC Current



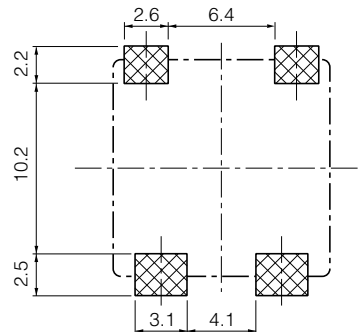
## Dimensions in mm (not to scale)



## Connection



## Recommended Land Pattern in mm (not to scale)



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

Please see Data Files