

### Power Choke Coil

#### Series: **PCC-D125H (NX2)**

Low profile, High power, Low loss



#### ■ Features

- High power, high inductance (No saturation performance limitation due to metal dust core)  
(17 A to 50 A/2.12  $\mu$ H to 0.24  $\mu$ 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) 4.9 mm × (L) 13.0 mm × (W) 12.9 mm
- RoHS compliant

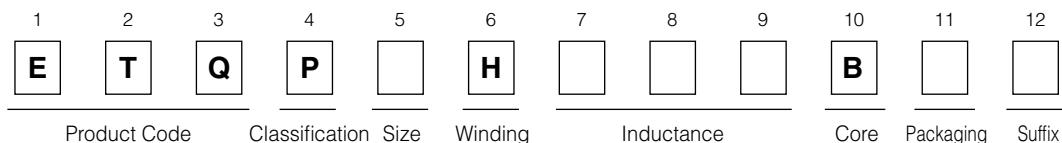
#### ■ Recommended Applications

- 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

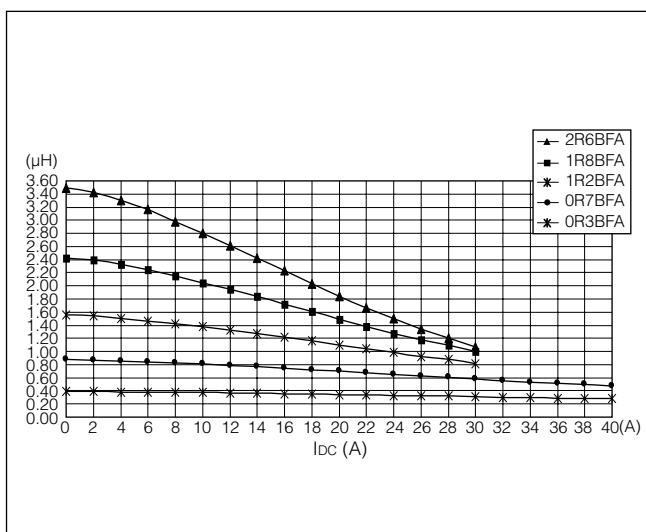
Part No.	Inductance (at 20 °C)*1					Rated current (A)*2	DC resistance (at 20 °C) (mΩ) max.		
	L1		L2 (Reference)						
	( $\mu$ H)	Tolerance (%)	Measurement current (A)	( $\mu$ H)	Measurement current (A)				
ETQP2H0R3BFA	0.29	$\pm 20$	36	0.24	50	36	0.54		
ETQP2H0R7BFA	0.69		21	0.59	29	21	1.30		
ETQP2H1R2BFA	1.22		16	1.04	22	16	2.27		
ETQP2H1R8BFA	1.83		14	1.49	20	14	3.48		
ETQP2H2R6BFA	2.61		12	2.12	17	12	4.98		

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

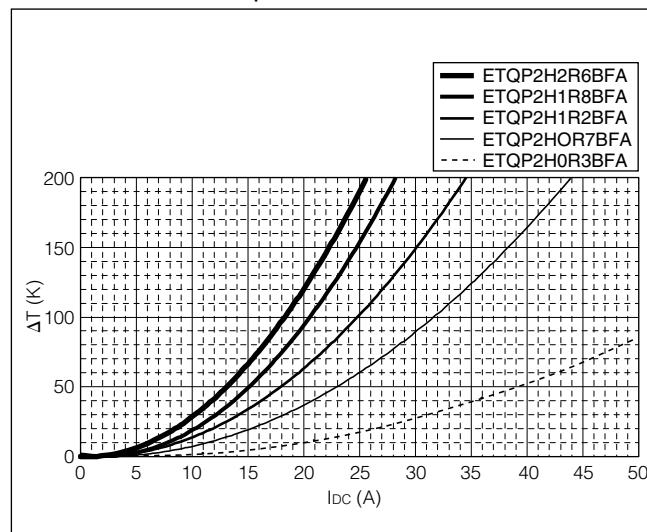
(\*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

## ■ Performance Characteristics (Reference)

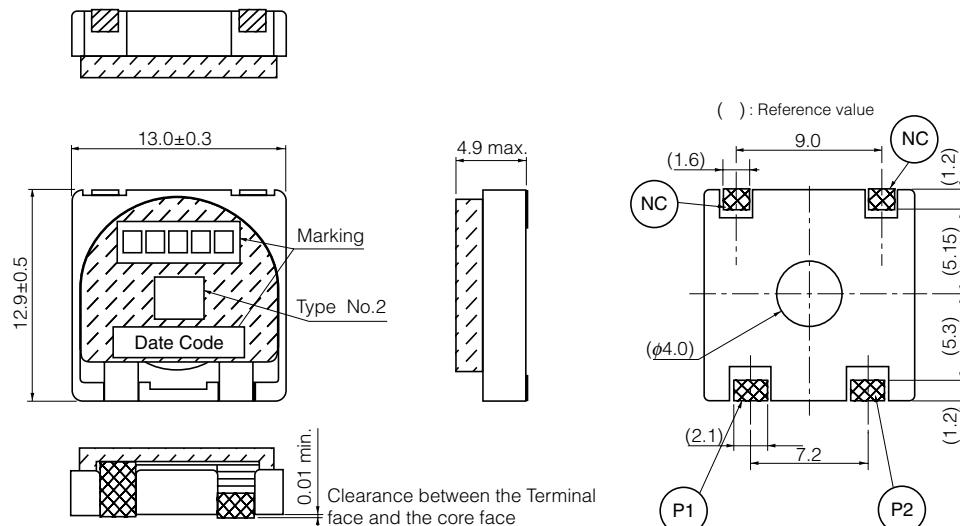
## Inductance vs DC Current



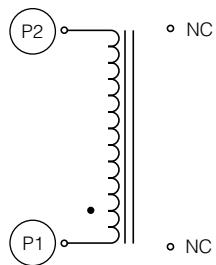
## Case temperature vs DC Current



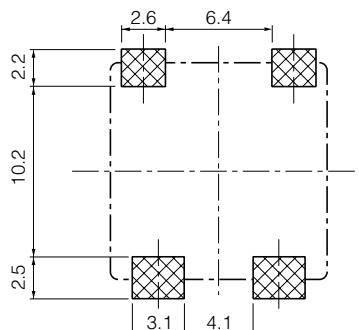
■ Dimensions in mm (not to scale)



## ■ Connection



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



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

## • Packaging Methods

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