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 µH to 0.24 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) 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

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

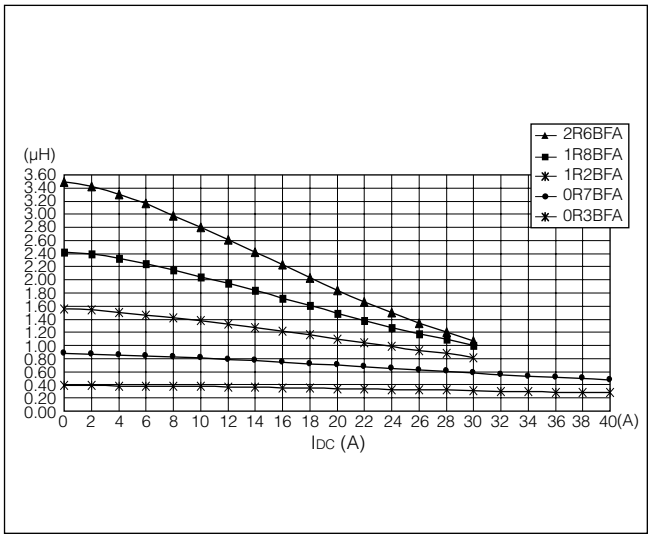
■ Standard Parts

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)		
ETQP2H0R3BFA	0.29	±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

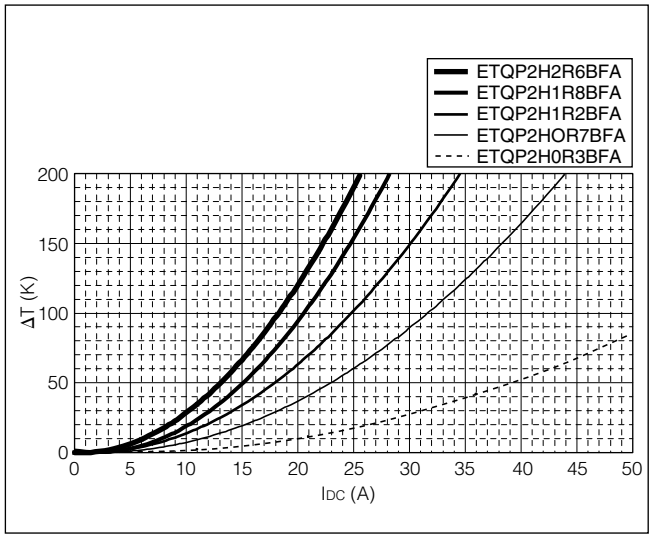
(*1) Inductance is measured at 100 kHz.
(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

■ Performance Characteristics (Reference)

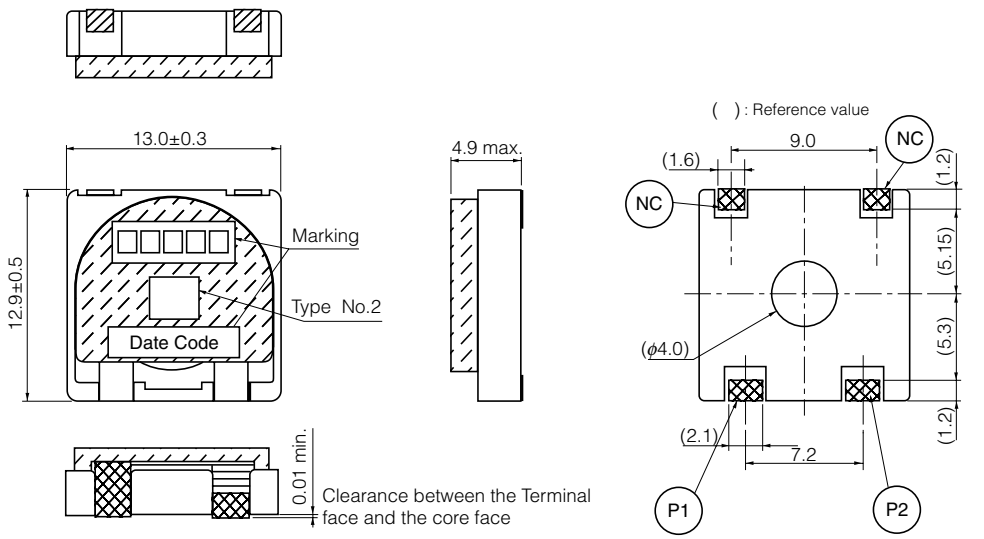
Inductance vs DC Current



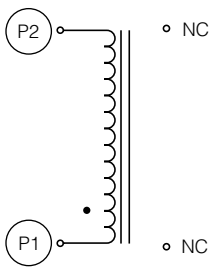
Case temperature vs DC Current



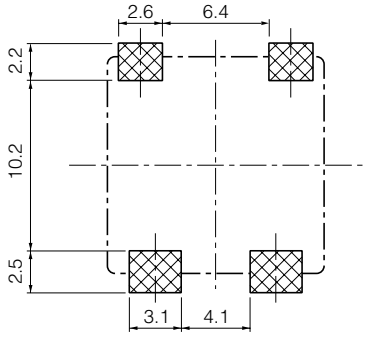
■ Dimensions in mm (not to scale)



■ Connection



■ Recommended Land Pattern in mm (not to scale)



■ Packaging Methods, Soldering Conditions and Safety Precautions (Power Choke Coils for Consumer use)
Please see Data Files