

Power Choke Coil

Series: **PCC-D126H (NX3)**

Low profile, High power, Low loss



■ Features

- High power, high inductance (No saturation performance limitation due to its metal dust core)
(27 A to 36 A/0.80 μ H to 0.45 μ 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)6.0 mm×(L)13.0 mm×(W)12.9 mm
- RoHS compliant

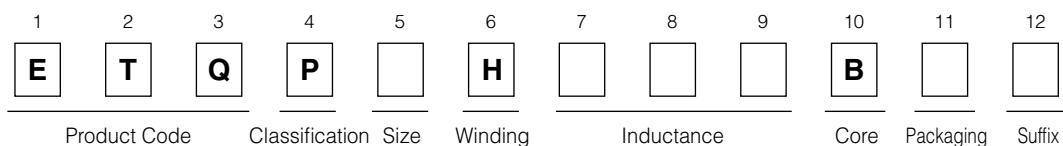
■ Recommended Applications

- 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

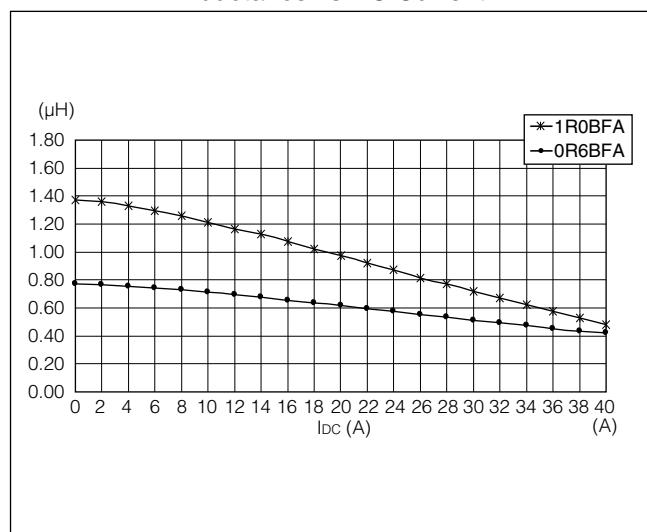
Part No.	Inductance (at 20 °C)*1					Rated current (A)*2	DC resistance (at 20 °C) (mΩ) max.		
	L1			L2 (Reference)					
	(μ H)	Tolerance (%)	Measurement current (A)	(μ H)	Measurement current (A)				
ETQP1H0R6BFA	0.60	±25	26	0.45	36	26	0.90		
ETQP1H1R0BFA	1.00	±20	19	0.80	27	19	1.56		

(*1) Inductance is measured at 100 kHz.

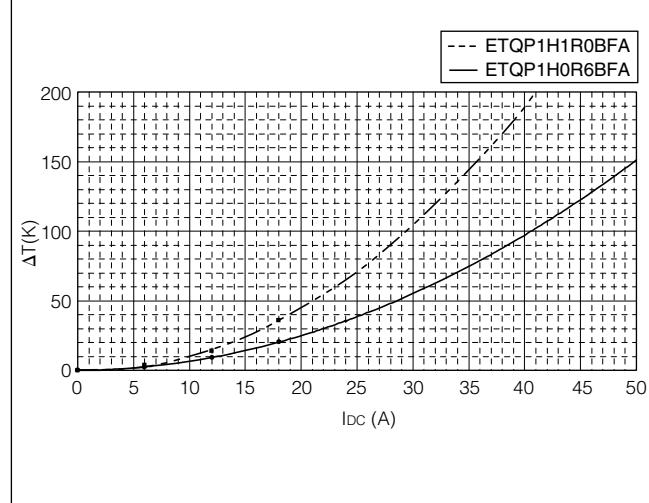
(*2) Rated current defines actual value of DC current, when temperature rise of coil becomes 40 K.

■ Performance Characteristics (Reference)

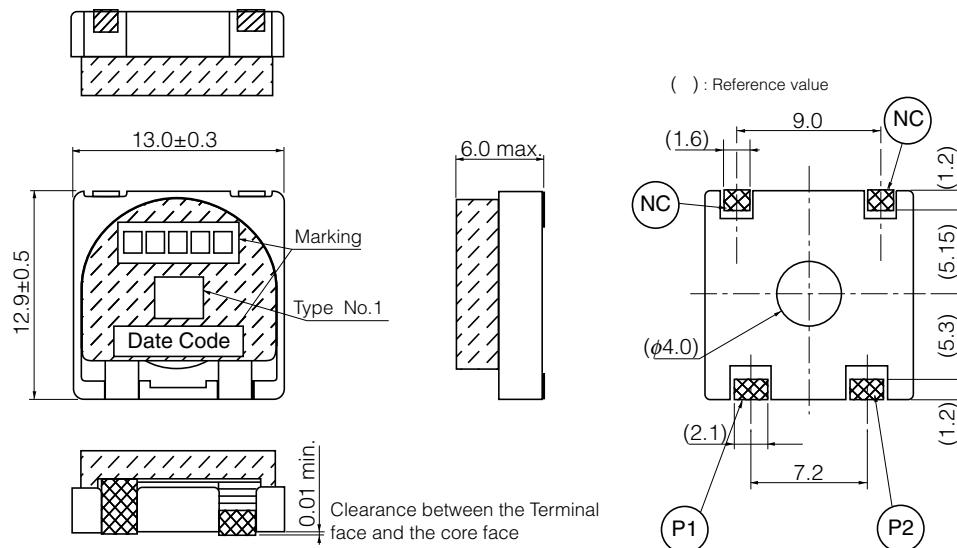
Inductance vs DC Current



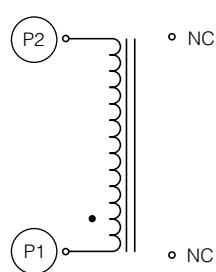
Case temperature vs DC Current



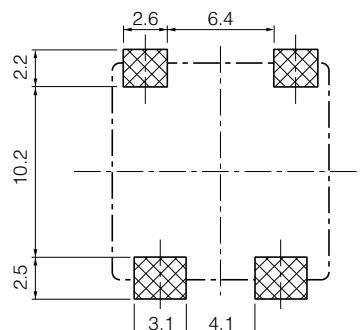
■ Dimensions in mm (not to scale)



■ 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