Panasonic Choke Coils

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
- 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	Т	Q	Р		Н				В		
Product Code			Classificatio	n Size	Winding		nductance	e	Core	Packaging	Suffix

■ Standard Parts

		Indu					
Dort No		L1		L2 (Ref	ference)	Rated	DC resistance (at 20 °C) (mΩ) max.
Part No.	(µH)	Tolerance (%)	Measurement current (A)	(µH)	Measurement current (A)	current (A)* ²	
ETQP3H0R4BFA	0.36		23	0.32	32	23	1.04
ETQP3H0R8BFA	0.80	±20	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.

Panasonic Choke Coils

■ Performance Characteristics (Reference)

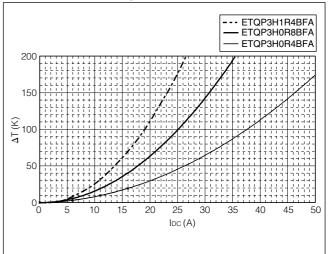
Inductance vs DC Current

■ 1R4RFA (µH) 2.00 1.80 1.60 1.40 1.20 1.00 0.80 0.60 0.40 0.20

IDC (A)

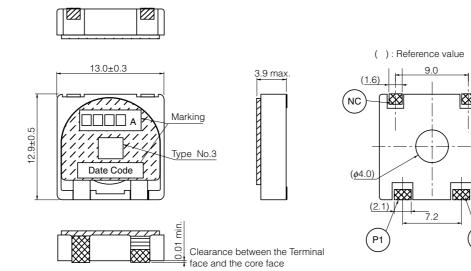
8 10 12 14 16 18 20 22 24 26 28 30 32 34 36(A)

Case temperature vs DC Current



■ Dimensions in mm (not to scale)

6



■ Connection

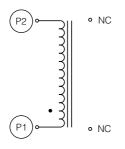
■ Recommended Land Pattern in mm (not to scale)

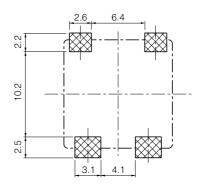
5

(5.3)

1.2)

P2





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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Fixed Inductors category:

Click to view products by Panasonic manufacturer:

Other Similar products are found below:

CR43NP-680KC CR54NP-820KC CR54NP-8R5MC CTX32CT-100 70F224AI MGDQ4-00004-P MHL1ECTTP18NJ MHL1JCTTD12NJ PE-51506NL PE-53601NL PE-53602NL PE-53630NL PE-53824SNLT PE-62892NL PE-92100NL PG0434.801NLT PG0936.113NLT 9310-16 PM06-2N7 PM06-39NJ A01TK 1206CS-471XJ HC2-2R2TR HC2LP-R47-R HC3-2R2-R HCF1305-3R3-R 1206CS-151XG RCH664NP-140L RCH664NP-4R7M RCH8011NP-221L RCP1317NP-332L RCP1317NP-391L RCR1010NP-470M RCR110DNP-331L DH2280-4R7M DS1608C-106 ASPI-4020HI-R10M-T B10TJ B82477P4333M B82498B3101J000 B82498B3680J000 ELJ-RE27NJF2 1812CS-153XJ 1812CS-223XJ 1812CS-223XJ 1812LS-104XJ 1812LS-105XJ 1812LS-124XJ 1812LS-154XJ 1812LS-223XJ