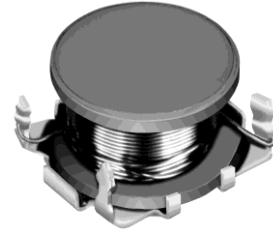


SMD Power Inductor CDH74



Description

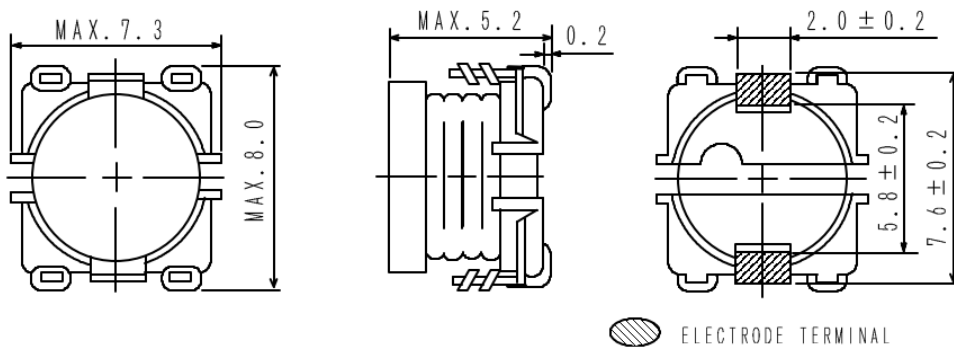
- Ferrite drum core construction
- Magnetically unshielded
- Suitable for Large Current
- Size: 8.0 x 7.3 x H5.2 mm Max.
- Product weight: 0.7g (Ref.)
- Halogen Free available
- Operating temperature range: - 40°C ~ +100°C
(Including coil's self temperature rise)



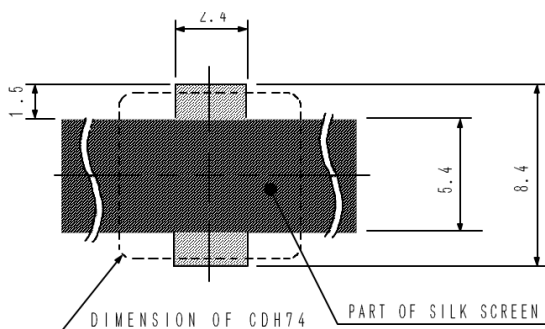
Applications

- Notebook PC, Projector, LCD TV, Game machine, STB etc. as DC/DC converter inductors

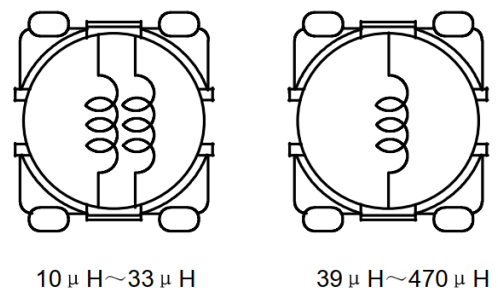
Dimension - [mm]



Reference Land pattern - [mm]



Schematics



Note : This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

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CDH74



Electrical Characteristics

Part No.	Inductance ※1	D.C.R (mΩ) Max. (Typ.)	Rated Current (A) 20°C ※2
CDH74NP-100LC	10 μ H±15%	56 (43)	2.75
CDH74NP-120LC	12 μ H±15%	65 (50)	2.45
CDH74NP-150LC	15 μ H±15%	83 (64)	2.10
CDH74NP-180LC	18 μ H±15%	94 (72)	1.95
CDH74NP-220LC	22 μ H±15%	130 (100)	1.70
CDH74NP-270KC	27 μ H±10%	160 (120)	1.55
CDH74NP-330KC	33 μ H±10%	170 (130)	1.45
CDH74NP-390KC	39 μ H±10%	210 (160)	1.30
CDH74NP-470KC	47 μ H±10%	230 (180)	1.20
CDH74NP-560KC	56 μ H±10%	260 (200)	1.15
CDH74NP-680KC	68 μ H±19%	350 (270)	1.00
CDH74NP-820JC	82 μ H± 5%	480 (370)	0.92
CDH74NP-101JLC	100 μ H± 5%	550 (420)	0.81
CDH74NP-121JC	120 μ H± 5%	620 (480)	0.73
CDH74NP-151JC	150 μ H± 5%	720 (550)	0.71
CDH74NP-181JC	180 μ H± 5%	820 (630)	0.66
CDH74NP-221JC	220 μ H± 5%	1,080 (830)	0.55
CDH74NP-271JC	270 μ H± 5%	1,380 (1,100)	0.48
CDH74NP-331JC	330 μ H± 5%	1,550 (1,240)	0.40
CDH74NP-391JC	390 μ H± 5%	2,090 (1,670)	0.38
CDH74NP-471JC	470 μ H± 5%	2,390 (1,910)	0.33

※ 1 Measuring frequency at 1.0kHz 0.1V

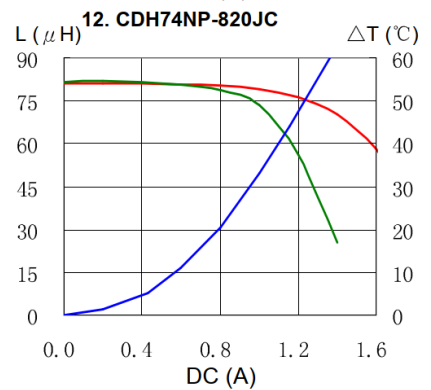
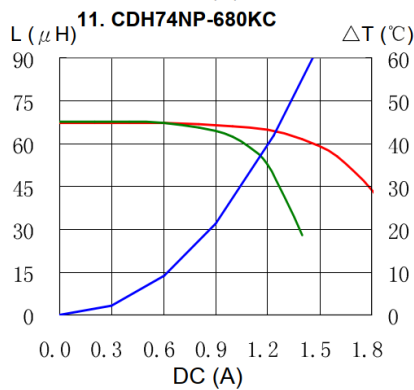
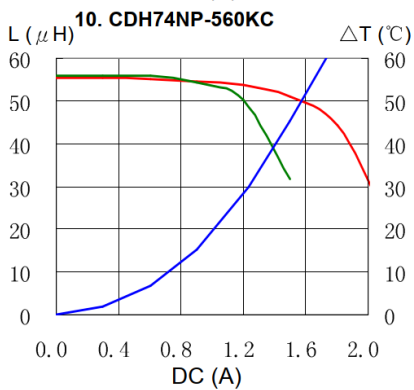
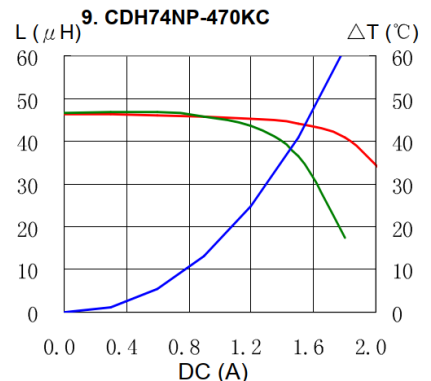
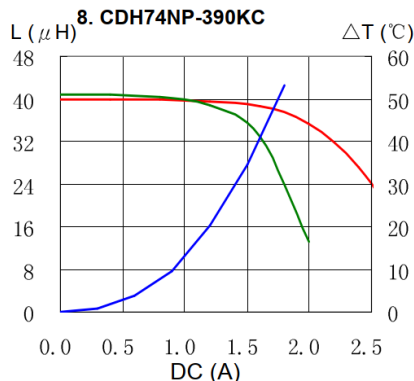
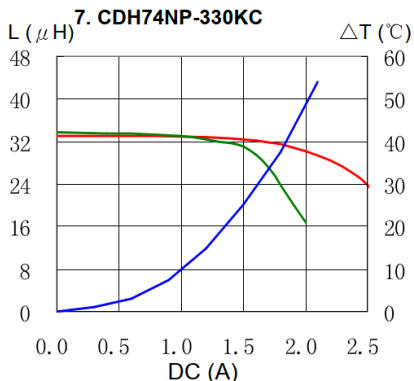
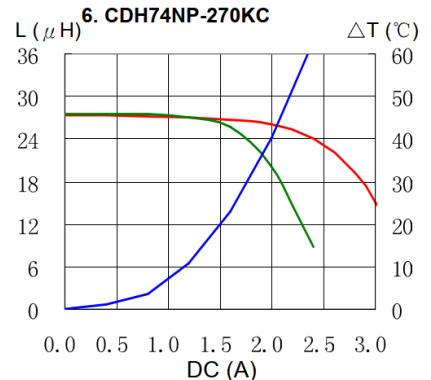
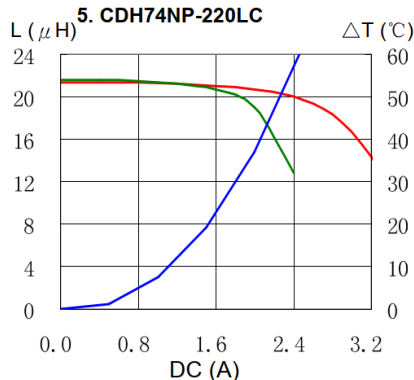
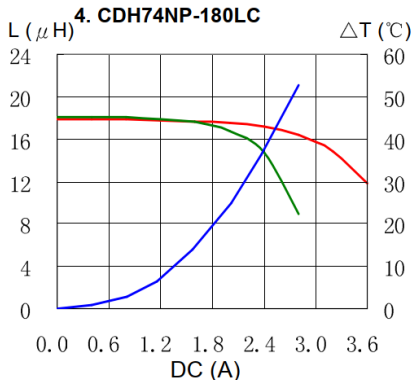
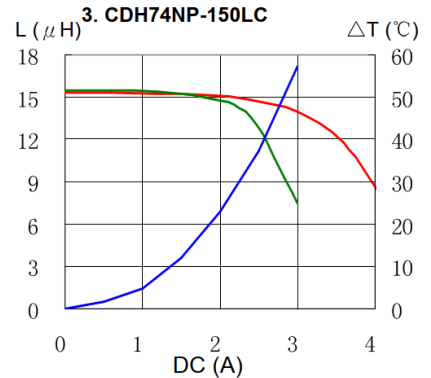
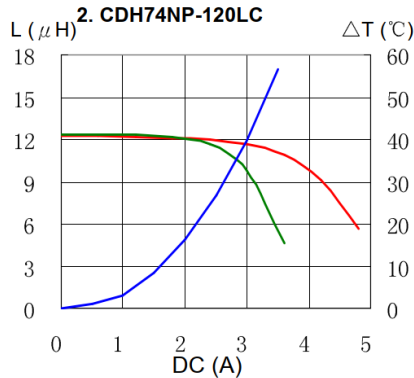
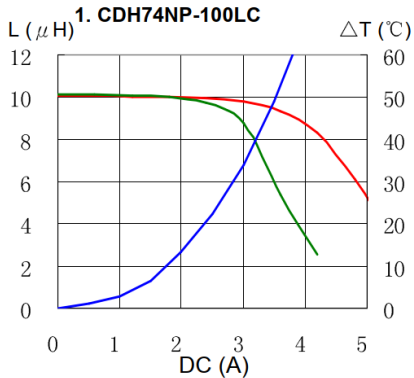
※ 2 Rated current: The value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current when $\Delta T=40^{\circ}\text{C}$ whichever is lower. ($T_a=20^{\circ}\text{C}$)

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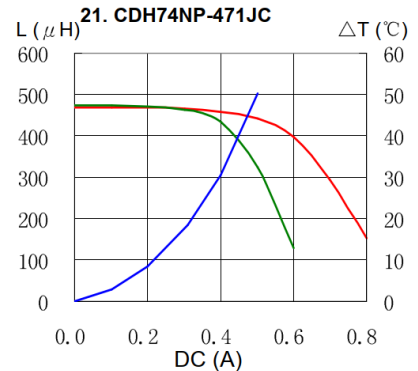
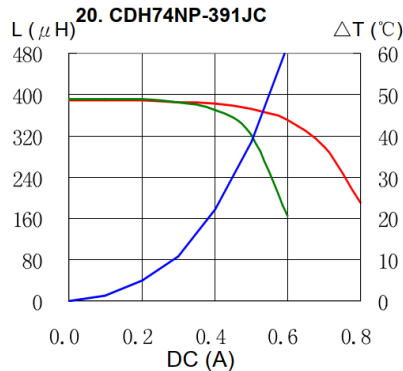
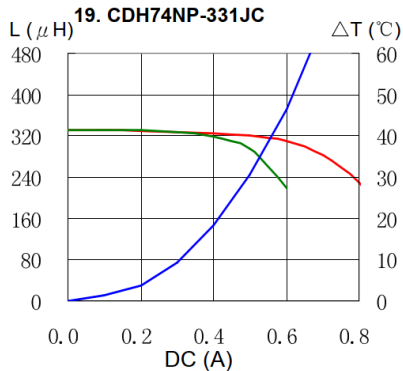
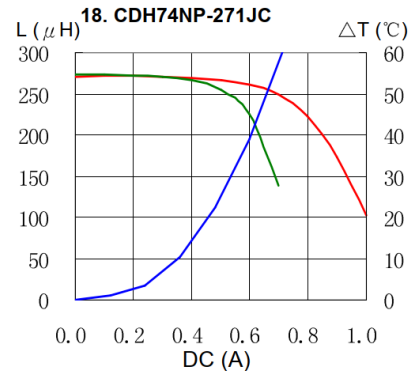
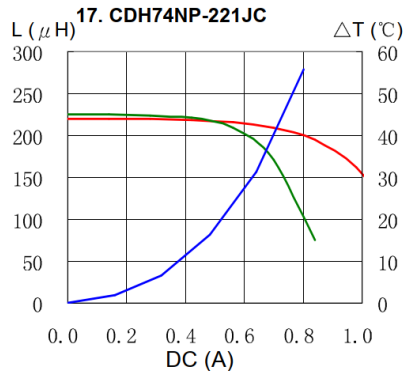
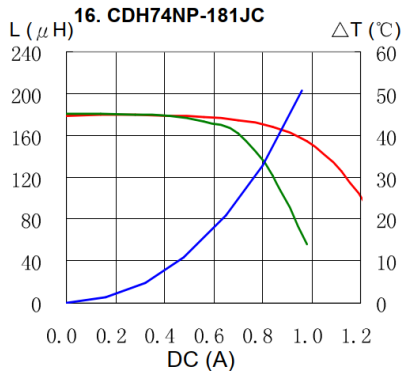
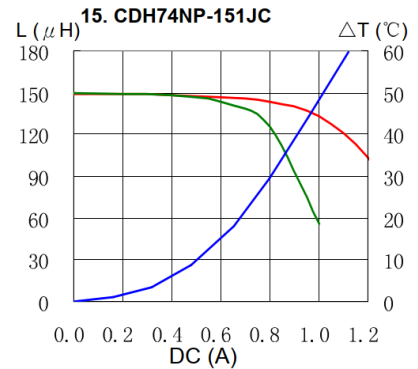
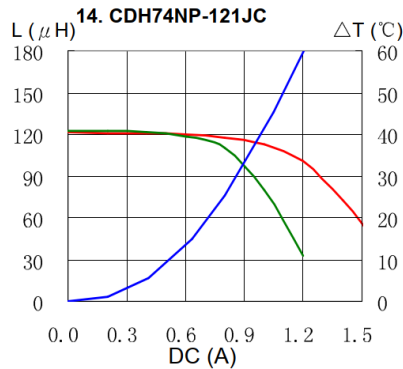
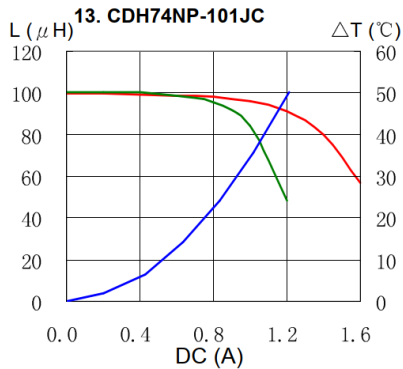
Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

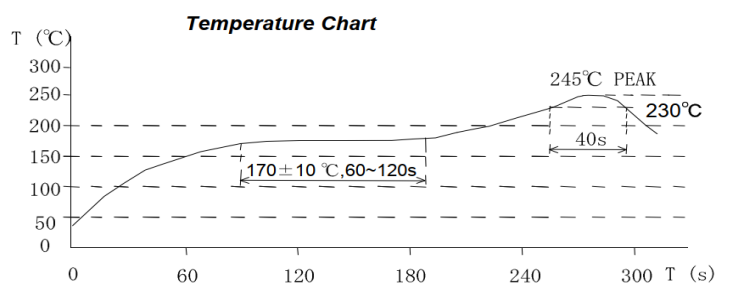
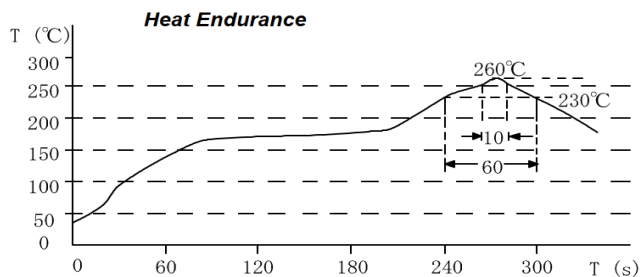


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Solder Reflow Condition



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