

Excellent Integrated System Limited

Stocking Distributor

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[Sumida Corporation](#)

[CDH73NP-100MC](#)

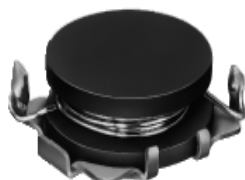
For any questions, you can email us directly:

sales@integrated-circuit.com

SMD Power Inductor CDH73



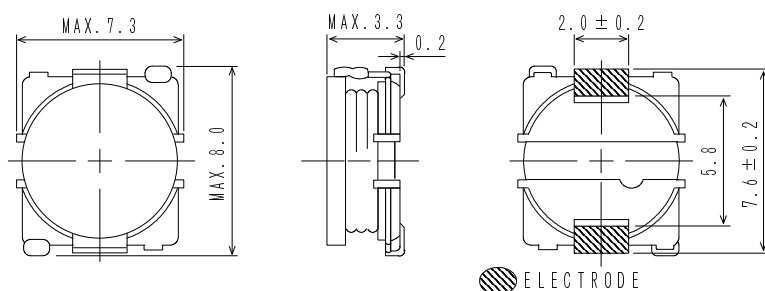
**Halogen
Free**



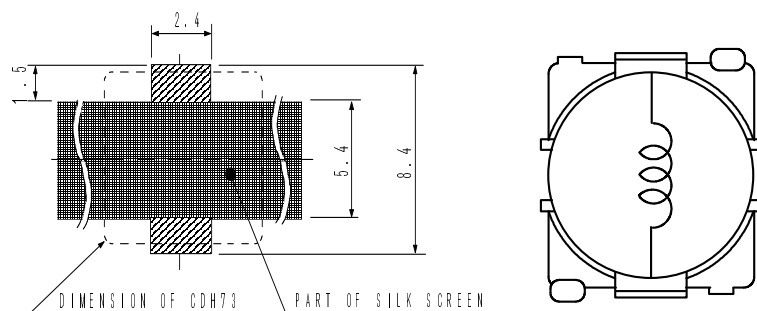
Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 8.0 × 7.3 × 3.3 mm Max.
- Product weight: 0.45g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]



Environmental Data

- Operating temperature range: -40°C ~ +100°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +100°C
- Solder reflow temperature: 260 °C peak.

Packaging

- Carrier tape and reel packaging.
- 13.0" diameter reel
- 1000pcs per reel

Applications

- Ideally used in PDA, DVD, HDD, DVC, Game machine, Notebook PC, etc as DC-DC converter inductor.

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Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R.(Ω) Max. (Typ.) (at 20°C)	Rated Current (A) ※2
CDH73NP-100MC	100	$10 \pm 20\%$	77m (59m)	1.20
CDH73NP-120MC	120	$12 \pm 20\%$	92m (71m)	1.05
CDH73NP-150LC	150	$15 \pm 15\%$	0.11(87m)	1.00
CDH73NP-180LC	180	$18 \pm 15\%$	0.13(0.10)	0.90
CDH73NP-220LC	220	$22 \pm 15\%$	0.18(0.14)	0.81
CDH73NP-270LC	270	$27 \pm 15\%$	0.21(0.16)	0.75
CDH73NP-330KC	330	$33 \pm 10\%$	0.24(0.19)	0.66
CDH73NP-390KC	390	$39 \pm 10\%$	0.28(0.21)	0.59
CDH73NP-470KC	470	$47 \pm 10\%$	0.35(0.27)	0.56
CDH73NP-560KC	560	$56 \pm 10\%$	0.40(0.31)	0.51
CDH73NP-680KC	680	$68 \pm 10\%$	0.51(0.39)	0.47
CDH73NP-820KC	820	$82 \pm 10\%$	0.60(0.46)	0.41
CDH73NP-101KC	101	$100 \pm 10\%$	0.70(0.54)	0.37
CDH73NP-121KC	121	$120 \pm 10\%$	0.89(0.69)	0.35
CDH73NP-151KC	151	$150 \pm 10\%$	1.04(0.80)	0.31
CDH73NP-181KC	181	$180 \pm 10\%$	1.22(0.94)	0.28
CDH73NP-221KC	221	$220 \pm 10\%$	1.63(1.30)	0.26

※1. Inductance measuring condition : at 1kHz

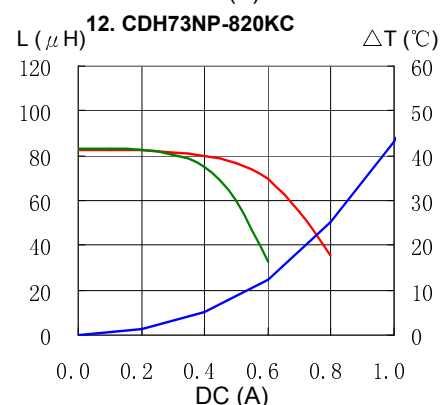
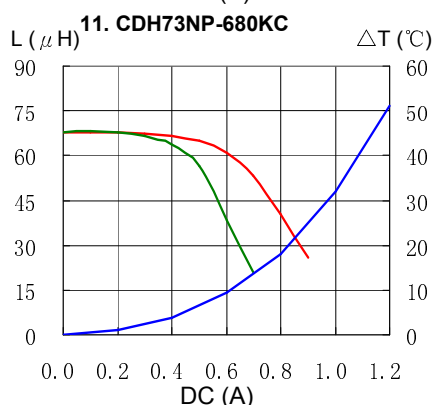
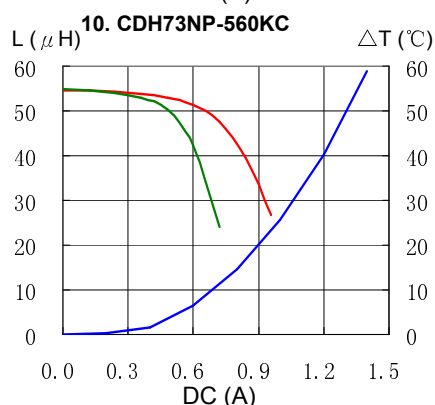
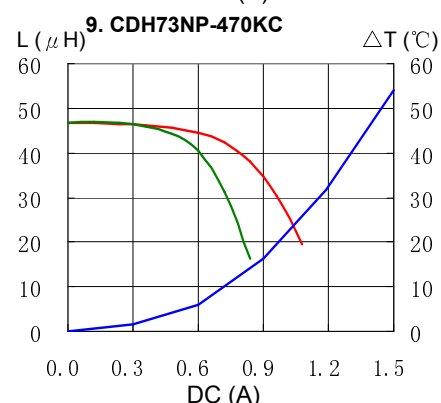
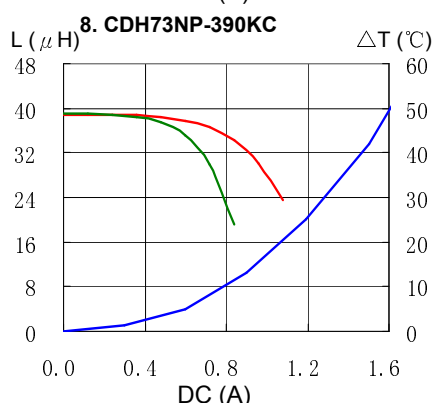
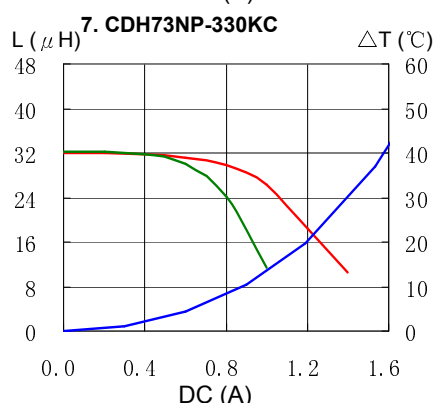
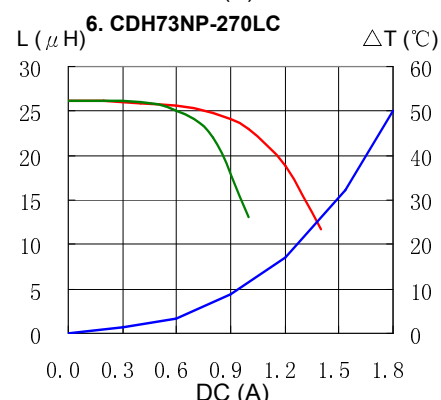
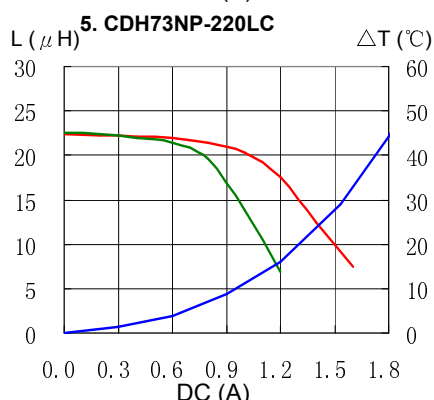
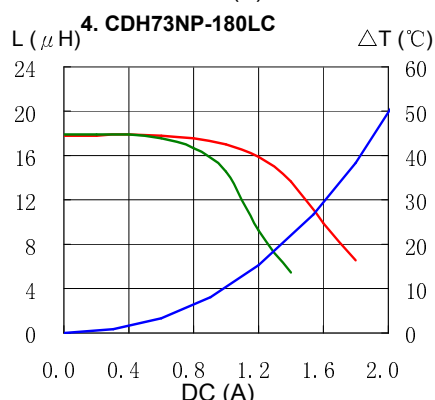
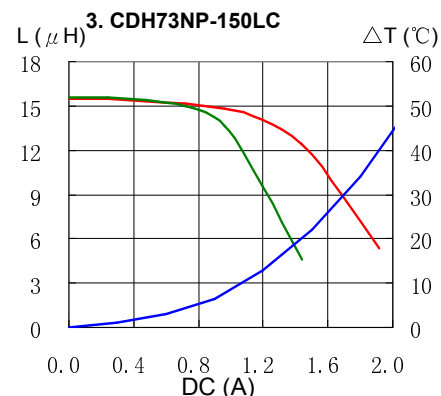
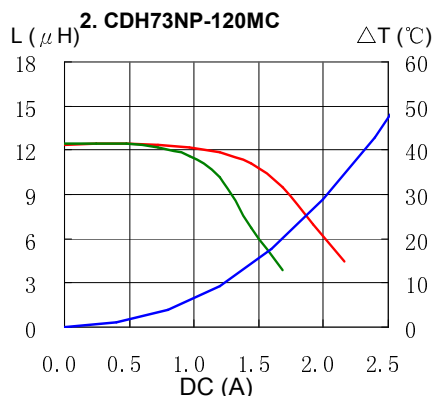
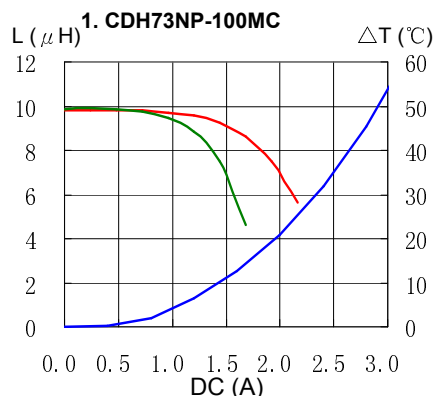
※2. Rated current: The DC current at which the inductance decreases to 90% of it's initial value or when $\Delta t=40^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$).

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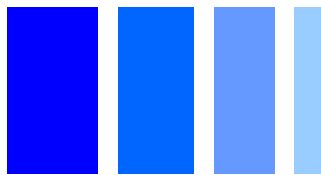


Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

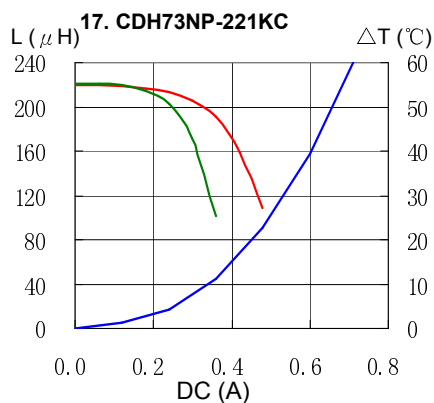
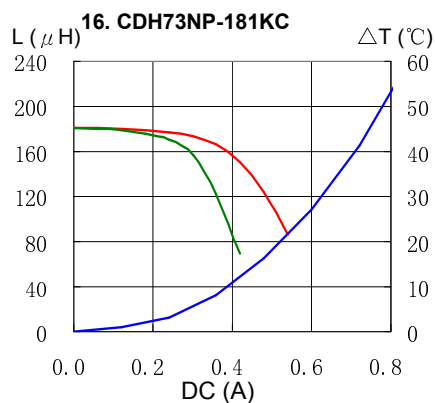
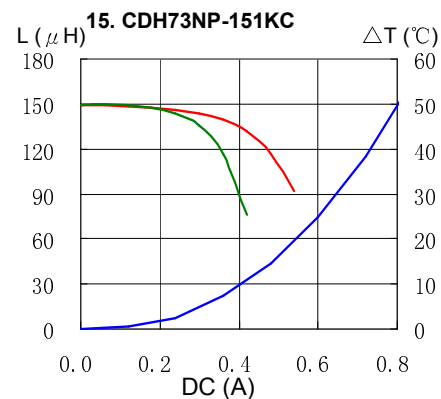
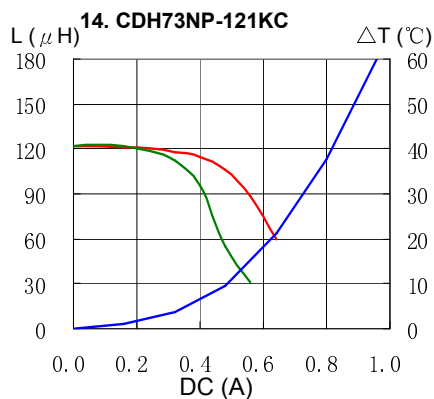
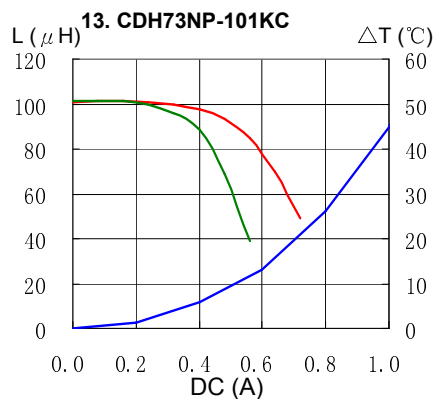


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Saturation Current & Temperature Rise Graph

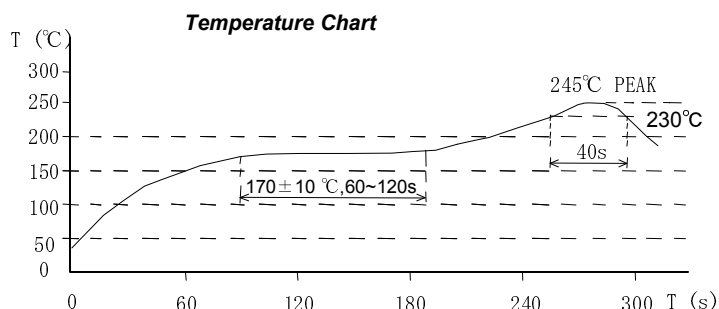
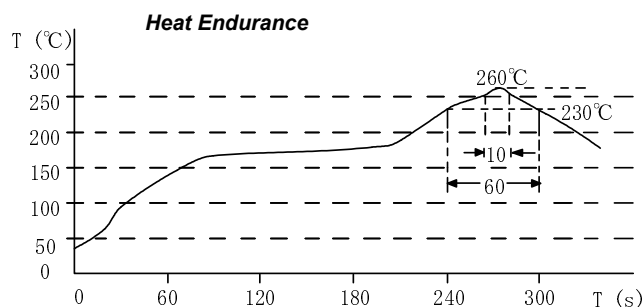
— L (20°C) — L (100°C) — ΔT



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Solder Reflow Condition



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