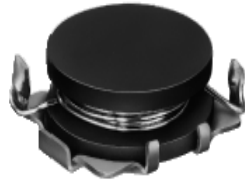


# SMD Power Inductor CDH73



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.

## 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.

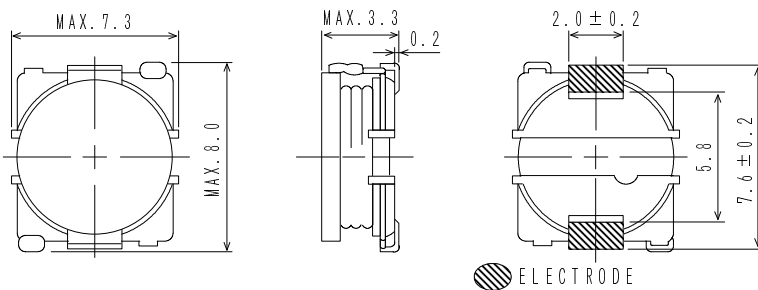
## Packaging

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

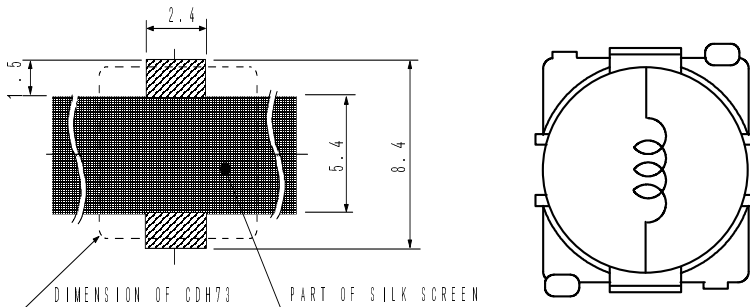
## Applications

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

## Dimension - [mm]



## Land pattern and Schematics - [mm]



# SMD Power Inductor CDH73



## Electrical Characteristics

Part Name	Stamp	Inductance ( $\mu\text{H}$ ) [ within ] ※1	D.C.R.( $\Omega$ ) 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

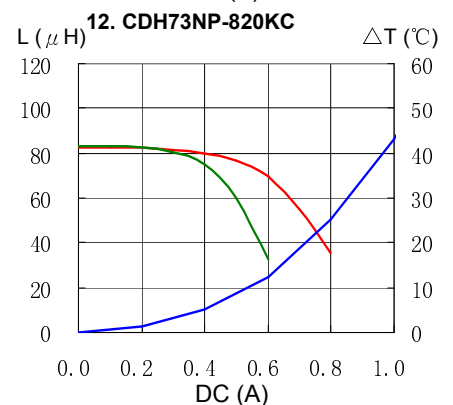
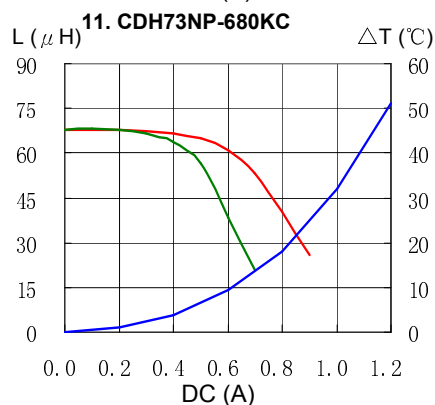
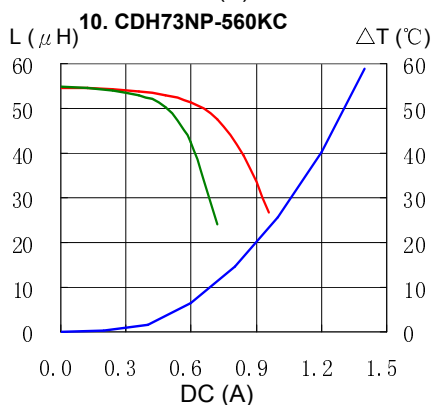
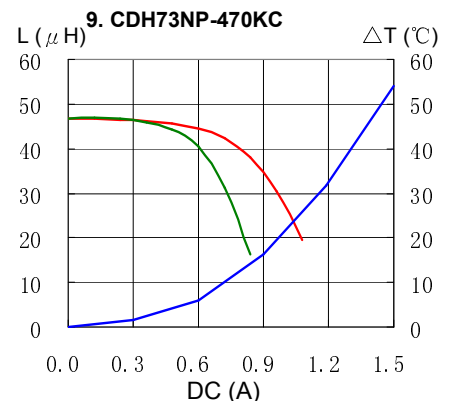
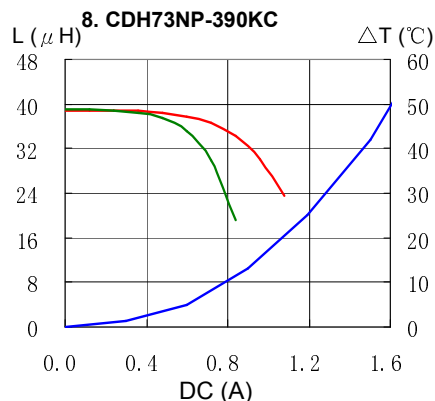
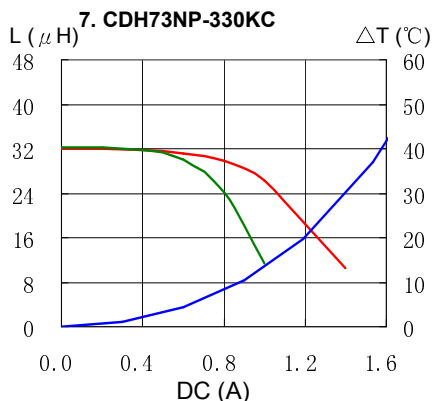
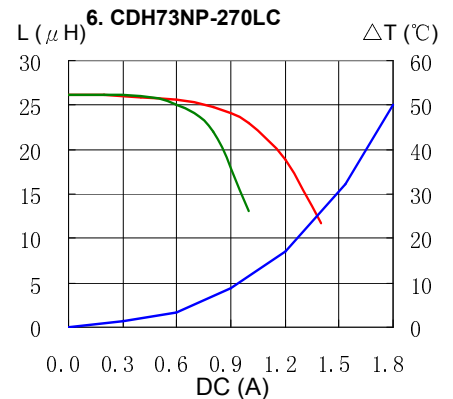
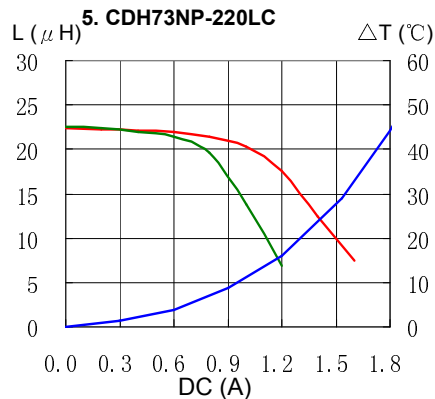
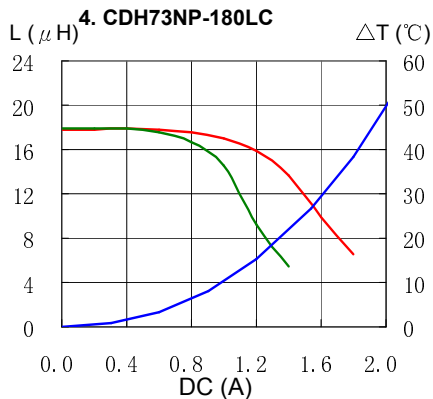
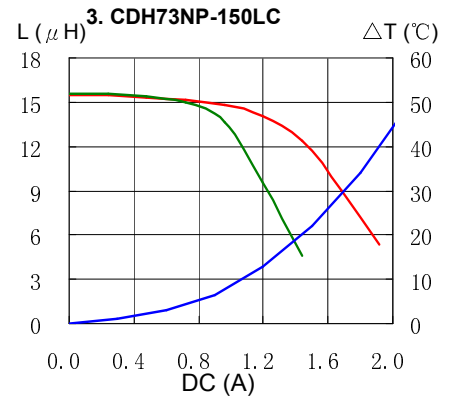
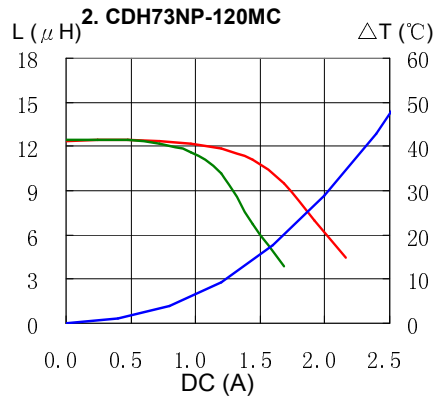
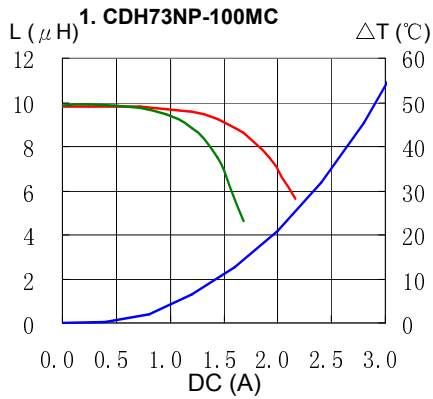
※2. Rated current: The DC current at which the inductance decreases to 90% of it's initial value or when  $\Delta t=40^\circ\text{C}$ , whichever is lower ( $T_a=20^\circ\text{C}$ ).

# SMD Power Inductor CDH73



## Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) —  $\Delta T$

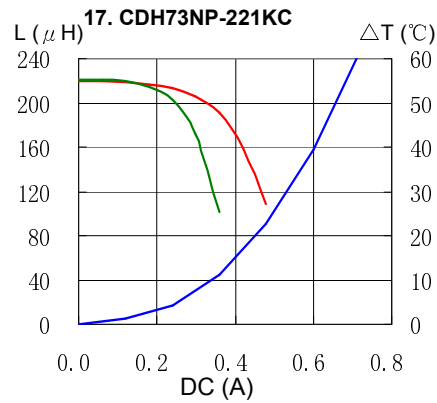
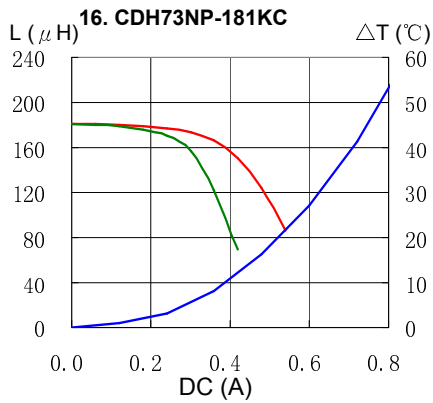
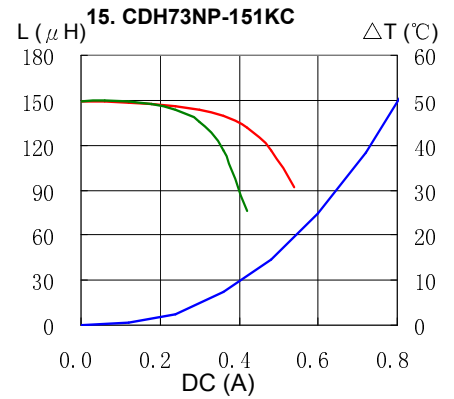
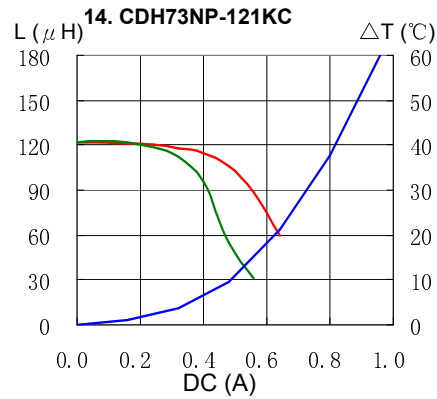
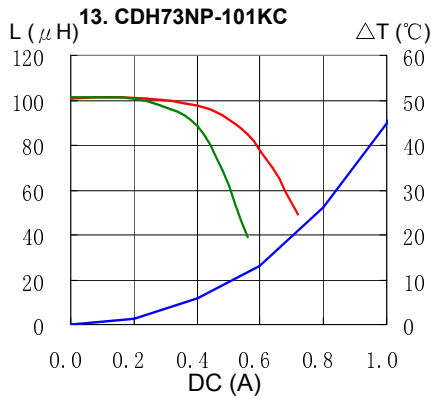


# SMD Power Inductor CDH73



## Saturation Current & Temperature Rise Graph

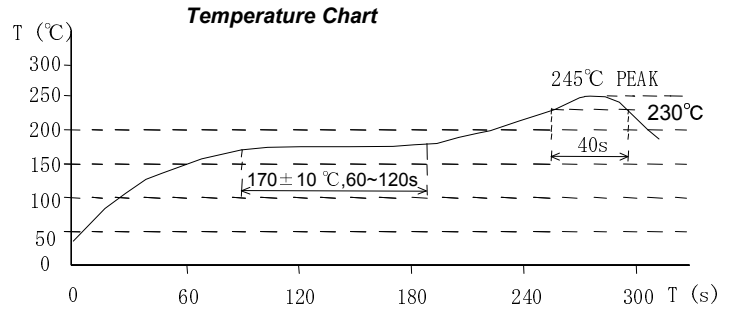
— L (20°C) — L (100°C) —  $\Delta T$



# SMD Power Inductor CDH73



## Solder Reflow Condition



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