



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

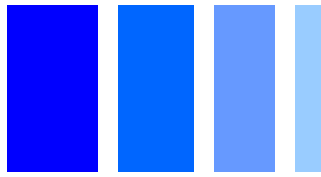
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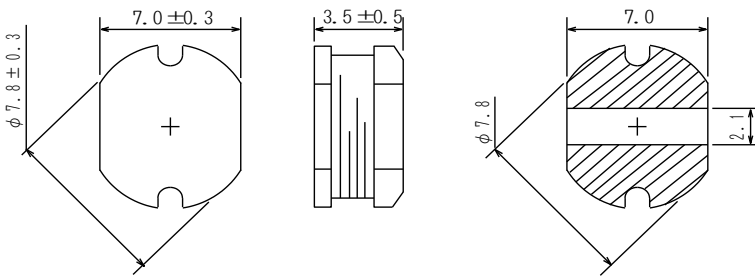
SMD Power Inductor CD73



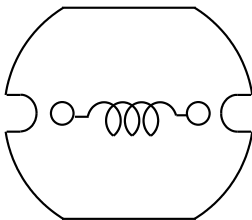
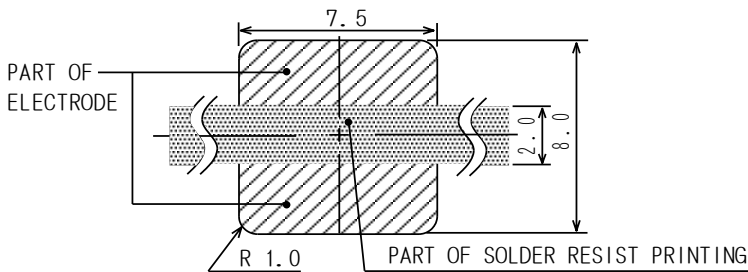
Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 8.1 × 7.3 × 4.0mm Max.
- Product weight:0.5g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Dimension - [mm]



Land pattern and Schematics - [mm]



Environmental Data

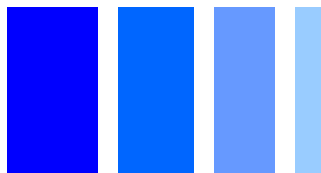
- Operating temperature range: -30°C ~ +100°C (including coil's self temperature rise)
- Storage temperature range: -30°C ~ +100°C
- Solder reflow temperature: 260 °C peak.

Packaging

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

Applications

- Ideally used in PDA,MP3,DSC/DVC,HDD, Portable DVD, etc as DC-DC converter inductors.



Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (m Ω) [Max.] (TYP.) (at 20°C)	Rated Current (A) ※2
CD73NP-100MC	100M	10 \pm 20%	80.3(61.8)	1.44
CD73NP-120MC	120M	12 \pm 20%	89.7(69.0)	1.39
CD73NP-150MC	150M	15 \pm 20%	104(80.3)	1.24
CD73NP-180MC	180M	18 \pm 20%	111(85.0)	1.12
CD73NP-220MC	220M	22 \pm 20%	129(99.2)	1.07
CD73NP-270MC	270M	27 \pm 20%	153(118)	0.94
CD73NP-330MC	330M	33 \pm 20%	170(131)	0.85
CD73NP-390MC	390M	39 \pm 20%	217(167)	0.74
CD73NP-470MC	470M	47 \pm 20%	252(194)	0.68
CD73NP-560KC	560K	56 \pm 10%	282(217)	0.64
CD73NP-680KC	680K	68 \pm 10%	332(255)	0.59
CD73NP-820KC	820K	82 \pm 10%	406(312)	0.54
CD73NP-101KC	101K	100 \pm 10%	481(370)	0.51
CD73NP-121KC	121K	120 \pm 10%	536(412)	0.49
CD73NP-151KC	151K	150 \pm 10%	755(581)	0.40
CD73NP-181KC	181K	180 \pm 10%	1022(786)	0.36
CD73NP-221KC	221K	220 \pm 10%	1200(923)	0.31
CD73NP-271KC	271K	270 \pm 10%	1306(1045)	0.29
CD73NP-331KC	331K	330 \pm 10%	1495(1196)	0.28

※1: Inductance measuring frequency: 10 μH ~ 82 μH ; at 2.52 MHz.
100 μH ~ 330 μH ; at 1 kHz.

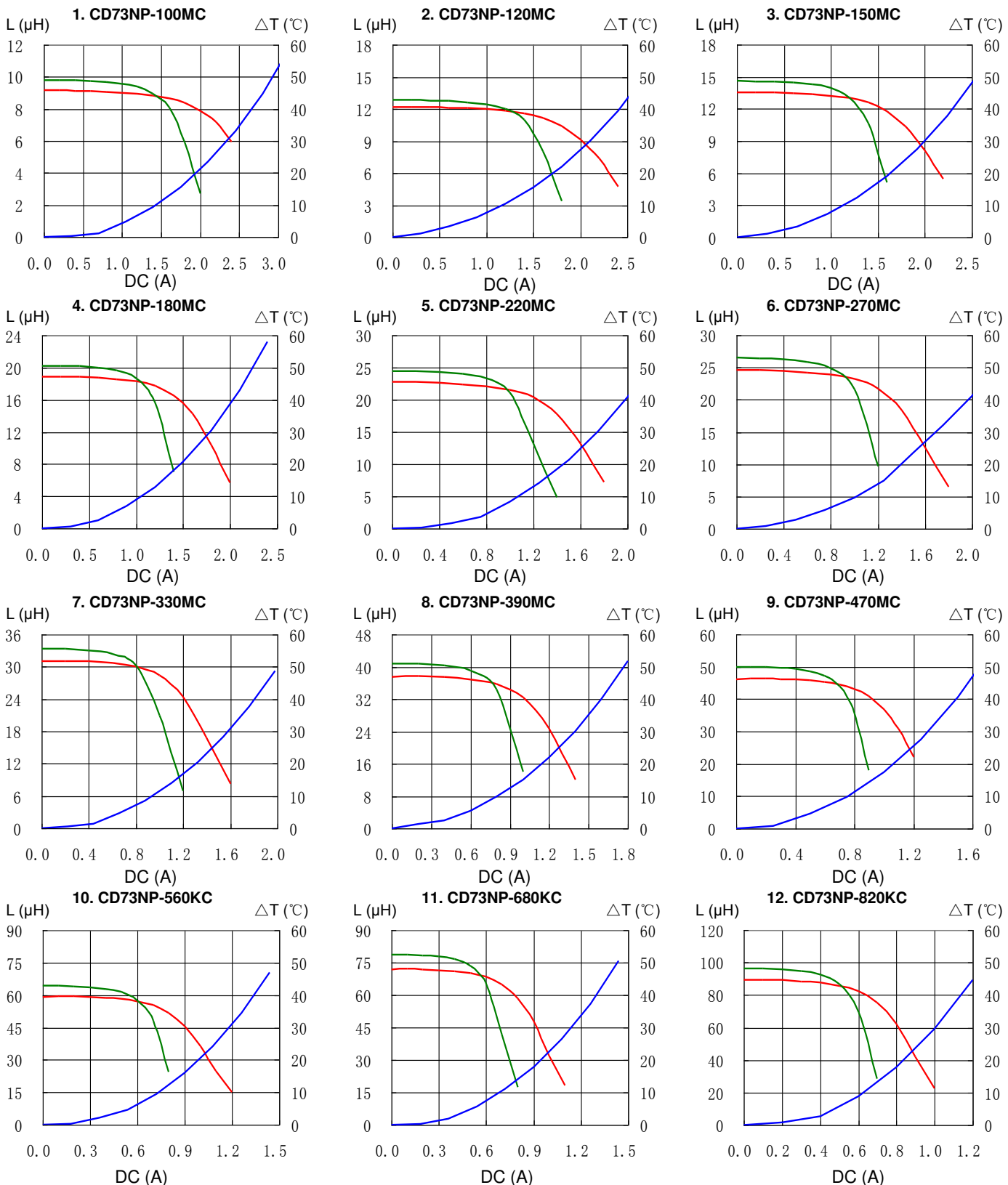
※2: Rated current: The DC current at which the inductance decreases to 90 % of it's initial value or when $\Delta t=40^\circ\text{C}$, whichever is lower (Ta=20°C).

SMD Power Inductor CD73



Saturation Current & Temperature Rise Graph

— L (25°C) — L (105°C) — ΔT

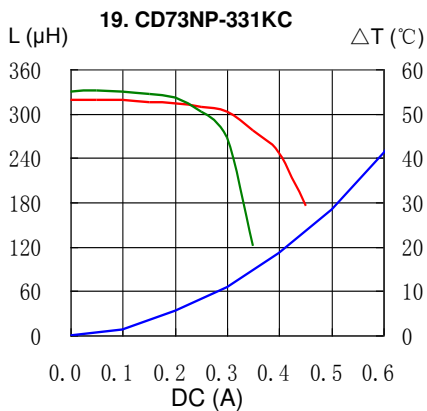
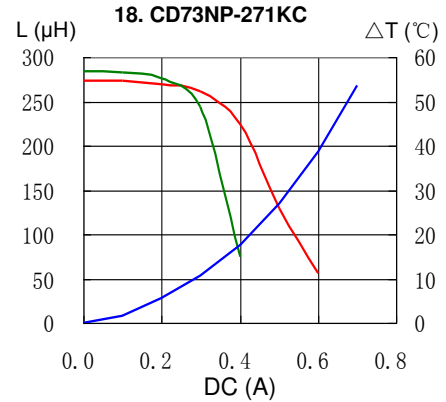
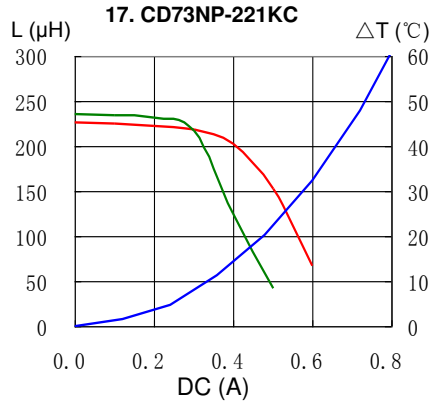
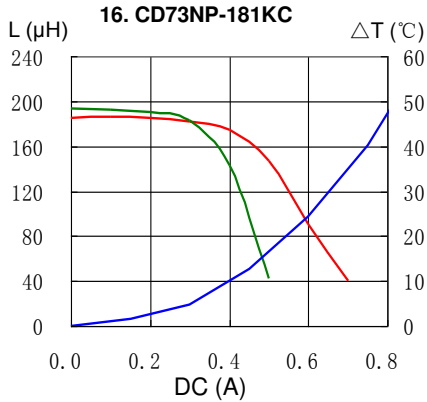
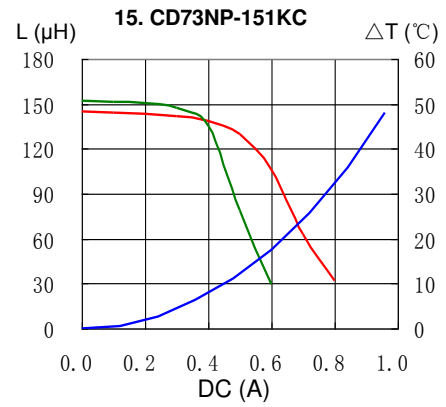
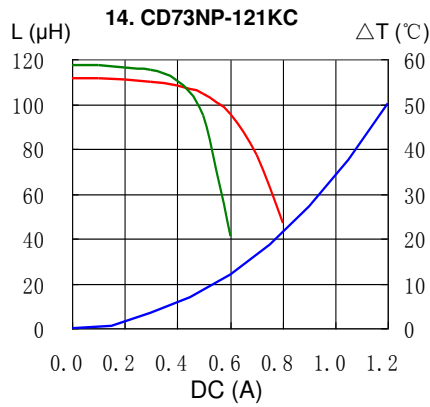
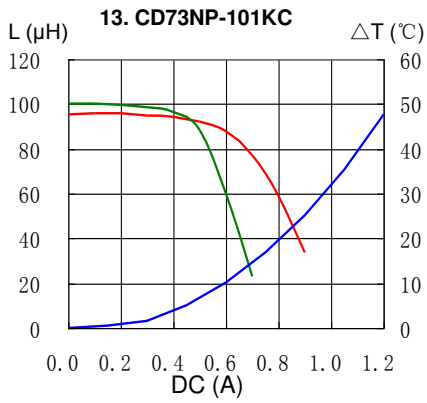


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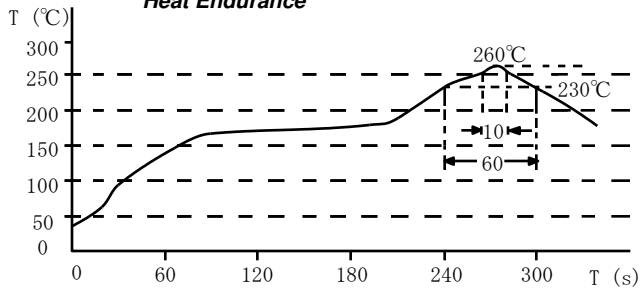


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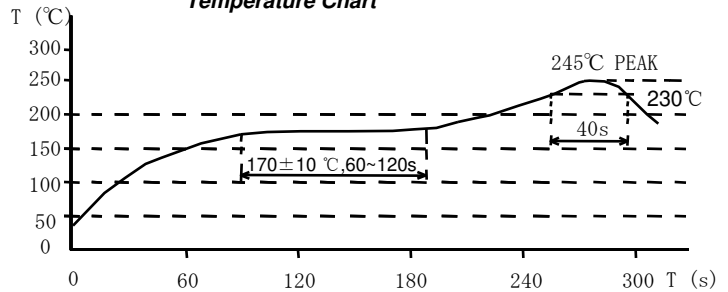


Solder Reflow Condition

Heat Endurance



Temperature Chart



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