



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!



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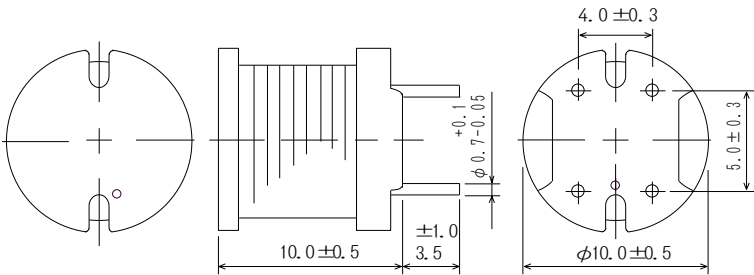


PIN Power Inductor

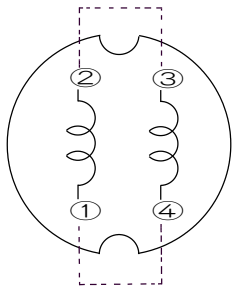
RCH-110



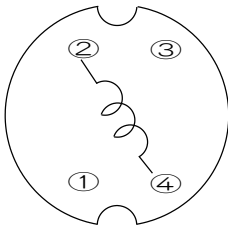
Dimension - [mm]



Schematics - [mm]



(10 μ H ~ 33 μ H)



(39 μ H ~ 1mH)

Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 10.5 × 10.5 × 10.5mm Max.
- Product weight: 3.1g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

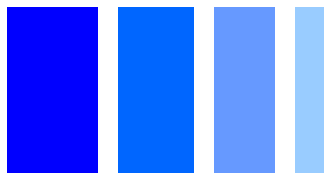
- Operating temperature range: -40°C ~ +100°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +100°C

Packaging

- Box packaging.

Applications

- Ideally used in Printers, LCD TV, DVD, Copy Machine, Mainboard of the compounding machines etc. as DC-DC Converter inductors.



Electrical Characteristics

PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω) [MAX.] (at20℃)	RATED CURRENT (A)※2	S.R.F. (MHz) TYP.
RCH110NP-100M	100M	10μH ± 20%	0.022	5.3	14
RCH110NP-120M	120M	12μH ± 20%	0.023	4.9	11
RCH110NP-150M	150M	15μH ± 20%	0.026	4.4	7.7
RCH110NP-180M	180M	18μH ± 20%	0.033	4.0	7.1
RCH110NP-220M	220M	22μH ± 20%	0.037	3.6	6.8
RCH110NP-270M	270M	27μH ± 20%	0.048	3.3	6.1
RCH110NP-330K	330K	33μH ± 10%	0.055	2.9	6.0
RCH110NP-390K	390K	39μH ± 10%	0.073	2.7	8.6
RCH110NP-470K	470K	47μH ± 10%	0.083	2.5	8.1
RCH110NP-560K	560K	56μH ± 10%	0.092	2.3	7.6
RCH110NP-680K	680K	68μH ± 10%	0.12	2.1	6.3
RCH110NP-820K	820K	82μH ± 10%	0.14	1.9	6.0
RCH110NP-101K	101K	100μH ± 10%	0.16	1.7	5.7
RCH110NP-121K	121K	120μH ± 10%	0.20	1.5	4.8
RCH110NP-151K	151K	150μH ± 10%	0.23	1.4	4.2
RCH110NP-181K	181K	180μH ± 10%	0.31	1.3	3.9
RCH110NP-221K	221K	220μH ± 10%	0.34	1.1	3.8
RCH110NP-271K	271K	270μH ± 10%	0.40	1.0	3.4
RCH110NP-331K	331K	330μH ± 10%	0.52	0.93	2.8
RCH110NP-391K	391K	390μH ± 10%	0.65	0.86	2.7
RCH110NP-471K	471K	470μH ± 10%	0.71	0.78	2.5
RCH110NP-561K	561K	560μH ± 10%	1.0	0.71	2.2
RCH110NP-681K	681K	680μH ± 10%	1.1	0.65	2.1
RCH110NP-821K	821K	820μH ± 10%	1.3	0.59	2.0
RCH110NP-102K	102K	1.0 mH ± 10%	1.7	0.53	1.7

※1. Inductance measuring condition : at 1.0kHz

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

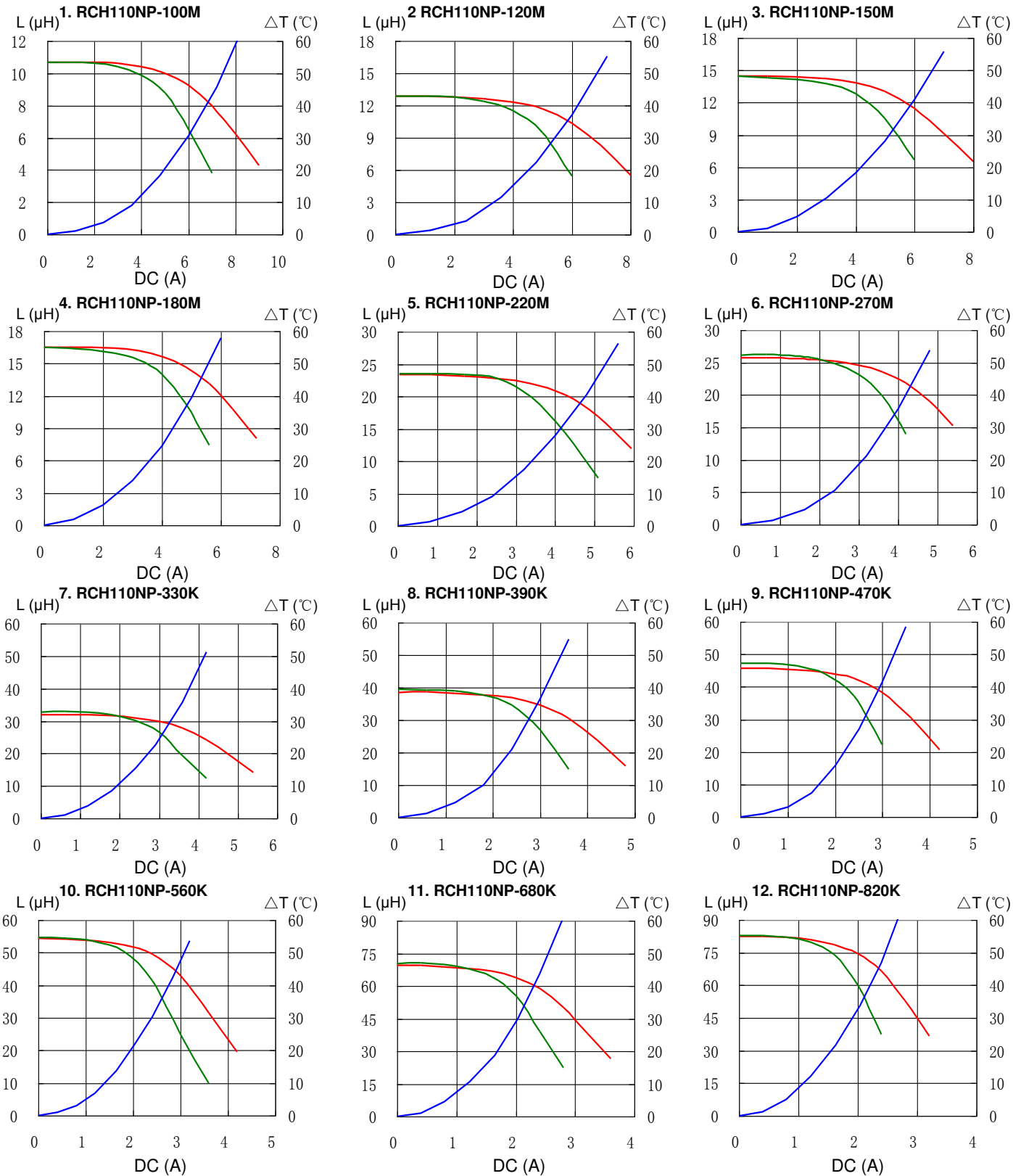
PIN Power Inductor

RCH-110



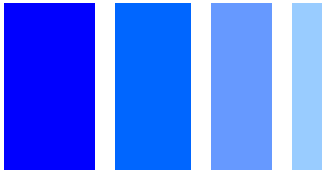
Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT



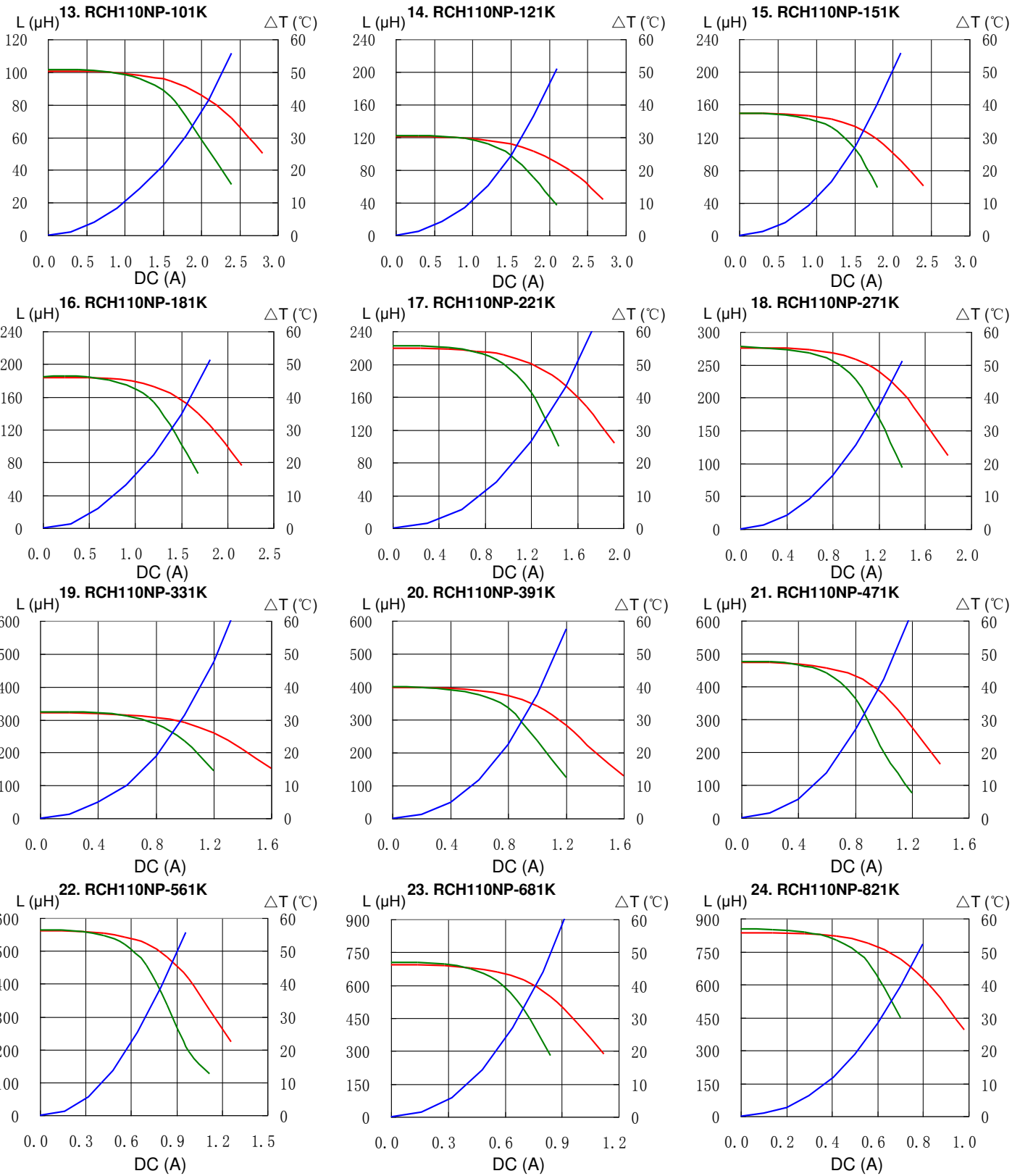
PIN Power Inductor

RCH-110



Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT



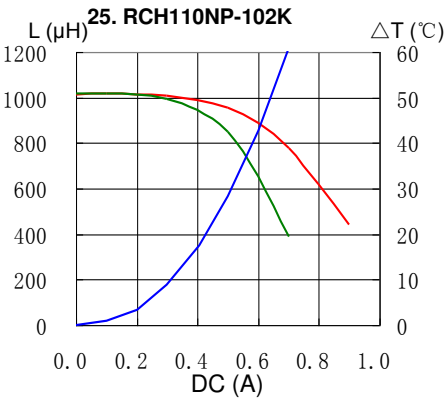
PIN Power Inductor

RCH-110



Saturation Current & Temperature Rise Graph

— L (20℃) — L (100℃) — ΔT



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