



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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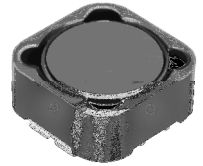
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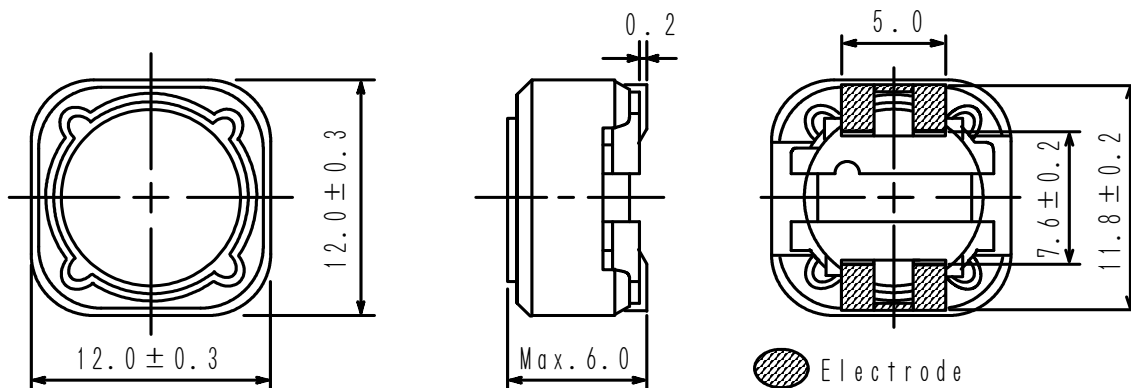
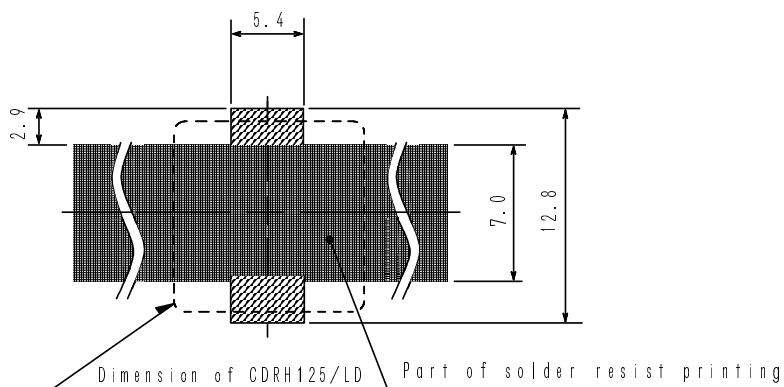


Type: CDRH125, CDRH125/LD
◆ Product Description

- 12.3×12.3mm Max.(L×W), 6.0mm Max. Height.
- Inductance Range: 1.3 μH~1.0mH(CDRH125); 7.5 μH~1.0mH(CDRH125/LD);
- Rated current range: 0.4~8.0A(CDRH125); 0.46~5.6A(CDRH125/LD);
- Custom design is available.


◆ Feature

- Magnetically shielded construction.
- Ideally used in Notebook PC, LCD TV,DVD, Game machine, STB ,Projector etc as DC-DC Converter inductors.
- RoHS Compliance.

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDRH125, CDRH125/LD
◆ Specification (CDRH125)

Part Name ※	Stamp	Inductance (μ H)	D.C.R.(Ω) Max.(Typ.) (20°C)	Rated Current (A)※1	Measuring frequency
CDRH125NP-1R3N□	1R3	1.3 $\begin{matrix} +30\% \\ -20\% \end{matrix}$	0.012(0.009)	8.00	7.96MHz
CDRH125NP-2R1N□	2R1	2.1 $\begin{matrix} +30\% \\ -20\% \end{matrix}$	0.014(0.011)	7.00	7.96MHz
CDRH125NP-3R1N□	3R1	3.1 $\begin{matrix} +30\% \\ -20\% \end{matrix}$	0.017(0.013)	6.00	7.96MHz
CDRH125NP-4R4N□	4R4	4.4 $\begin{matrix} +30\% \\ -20\% \end{matrix}$	0.020(0.016)	5.00	7.96MHz
CDRH125NP-5R8N□	5R8	5.8 $\begin{matrix} +30\% \\ -20\% \end{matrix}$	0.021(0.017)	4.40	7.96MHz
CDRH125NP-7R5N□	7R5	7.5 $\begin{matrix} +30\% \\ -20\% \end{matrix}$	0.024(0.019)	4.20	7.96MHz
CDRH125NP-100M□	100	10 \pm 20%	0.025(0.019)	4.00	1KHz
CDRH125NP-120M□	120	12 \pm 20%	0.027(0.021)	3.50	1KHz
CDRH125NP-150M□	150	15 \pm 20%	0.030(0.023)	3.30	1KHz
CDRH125NP-180M□	180	18 \pm 20%	0.034(0.026)	3.00	1KHz
CDRH125NP-220M□	220	22 \pm 20%	0.036(0.028)	2.80	1KHz
CDRH125NP-270M□	270	27 \pm 20%	0.051(0.039)	2.30	1KHz
CDRH125NP-330M□	330	33 \pm 20%	0.057(0.044)	2.10	1KHz
CDRH125NP-390M□	390	39 \pm 20%	0.068(0.052)	2.00	1KHz
CDRH125NP-470M□	470	47 \pm 20%	0.075(0.058)	1.80	1KHz
CDRH125NP-560M□	560	56 \pm 20%	0.11(0.084)	1.70	1KHz
CDRH125NP-680M□	680	68 \pm 20%	0.12(0.093)	1.50	1KHz
CDRH125NP-820M□	820	82 \pm 20%	0.14(0.11)	1.40	1KHz
CDRH125NP-101M□	101	100 \pm 20%	0.16(0.12)	1.30	1KHz
CDRH125NP-121M□	121	120 \pm 20%	0.17(0.13)	1.10	1KHz
CDRH125NP-151M□	151	150 \pm 20%	0.23(0.18)	1.00	1KHz
CDRH125NP-181M□	181	180 \pm 20%	0.29(0.22)	0.90	1KHz
CDRH125NP-221M□	221	220 \pm 20%	0.40(0.31)	0.80	1KHz
CDRH125NP-271M□	271	270 \pm 20%	0.46(0.35)	0.75	1KHz

Type: CDRH125, CDRH125/LD

Part Name ※	Stamp	Inductance (μ H)	D.C.R.(Ω) Max.(Typ.) (at 20°C)	Rated Current (A)※1	Measuring frequency
CDRH125NP-331M□	331	330 \pm 20%	0.51(0.39)	0.68	1KHz
CDRH125NP-391M□	391	390 \pm 20%	0.69(0.53)	0.65	1KHz
CDRH125NP-471M□	471	470 \pm 20%	0.77(0.59)	0.58	1KHz
CDRH125NP-561M□	561	560 \pm 20%	0.86(0.66)	0.54	1KHz
CDRH125NP-681M□	681	680 \pm 20%	1.20(0.92)	0.48	1KHz
CDRH125NP-821M□	821	820 \pm 20%	1.34(1.03)	0.43	1KHz
CDRH125NP-102M□	102	1000 \pm 20%	1.53(1.18)	0.40	1KHz

◆ Specification (CDRH125/LD)

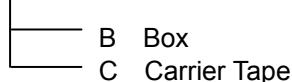
Part No. ※	Stamp	Inductance (μ H)※1	D.C.R. (Ω) [Typ.]	D.C.R. (Ω) [Max.]	Rated current (A)※1	Measuring frequency
CDRH125/LDNP-7R5N□	7R5	7.5 \pm 30%	14.7m Ω	19.0m Ω	5.60	7.96MHz
CDRH125/LDNP-100N□	100	10 \pm 30%	22.5m Ω	29.0m Ω	4.60	100KHz
CDRH125/LDNP-120M□	120	12 \pm 20%	24.6m Ω	32.0m Ω	4.20	100KHz
CDRH125/LDNP-150M□	150	15 \pm 20%	27.1m Ω	35.0m Ω	4.00	100KHz
CDRH125/LDNP-180M□	180	18 \pm 20%	31.8m Ω	41.0m Ω	3.56	100KHz
CDRH125/LDNP-220M□	220	22 \pm 20%	33.9m Ω	44.0m Ω	3.28	100KHz
CDRH125/LDNP-270M□	270	27 \pm 20%	41.5m Ω	52.0m Ω	3.00	100KHz
CDRH125/LDNP-330M□	330	33 \pm 20%	50.0m Ω	65.0m Ω	2.60	100KHz
CDRH125/LDNP-390M□	390	39 \pm 20%	60.0m Ω	75.0m Ω	2.40	100KHz
CDRH125/LDNP-470M□	470	47 \pm 20%	72.5m Ω	95.0m Ω	2.30	100KHz
CDRH125/LDNP-560M□	560	56 \pm 20%	95.4m Ω	125m Ω	2.00	100KHz
CDRH125/LDNP-680M□	680	68 \pm 20%	0.110	0.140	1.85	100KHz
CDRH125/LDNP-820M□	820	82 \pm 20%	0.121	0.157	1.70	100KHz
CDRH125/LDNP-101M□	101	100 \pm 20%	0.144	0.187	1.60	100KHz
CDRH125/LDNP-121M□	121	120 \pm 20%	0.175	0.228	1.37	100KHz
CDRH125/LDNP-151M□	151	150 \pm 20%	0.218	0.280	1.26	100KHz

Type: CDRH125, CDRH125/LD

Part No. ※	Stamp	Inductance (μ H)	D.C.R (Ω) [Typ.]	D.C.R (Ω) [Max.]	Rated current (A)※1	Measuring frequency
CDRH125/LDNP-181M□	181	180 \pm 20%	0.259	0.335	1.14	100KHz
CDRH125/LDNP-221M□	221	220 \pm 20%	0.303	0.395	1.08	100KHz
CDRH125/LDNP-271M□	271	270 \pm 20%	0.403	0.520	0.94	100KHz
CDRH125/LDNP-331M□	331	330 \pm 20%	0.547	0.710	0.85	100KHz
CDRH125/LDNP-391M□	391	390 \pm 20%	0.614	0.800	0.77	100KHz
CDRH125/LDNP-471M□	471	470 \pm 20%	0.711	0.920	0.72	100KHz
CDRH125/LDNP-561M□	561	560 \pm 20%	0.956	1.20	0.67	100KHz
CDRH125/LDNP-681M□	681	680 \pm 20%	1.08	1.35	0.57	100KHz
CDRH125/LDNP-821M□	821	820 \pm 20%	1.17	1.40	0.51	100KHz
CDRH125/LDNP-102M□	102	1000 \pm 20%	1.62	1.95	0.46	100KHz

※ Description of part name

CDRH125NP-100M□



※1. Rated current: The DC current at which the inductance decreases to 75% of its nominal value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$).