



THE DATASHEET OF CDRH104NP-120MC

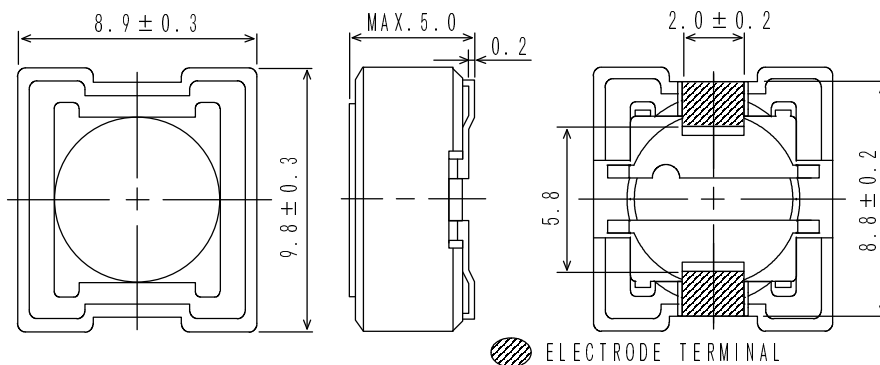
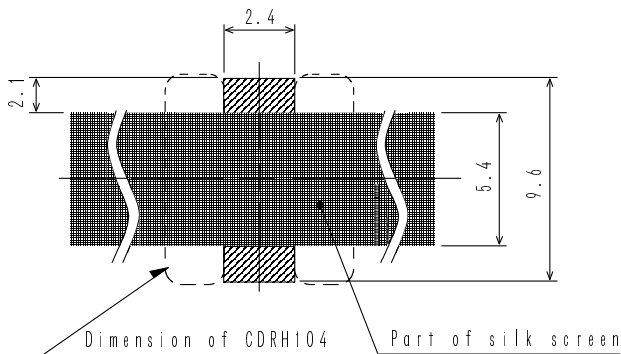
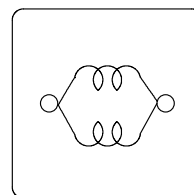


Type: CDRH104
◆ Product Description

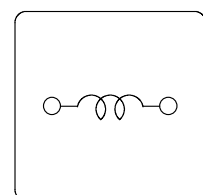
- 10.1×9.2mm Max.(L×W), 5.0mm Max. Height.
- Inductance range: 10~470 μ H.
- Rated current range: 0.36~2.4A.
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- Storage temperature range: -40°C~+100°C.
- Operating temperature range: -40°C~+100°C (Including coil's self temperature rise).
- 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)

◆ Schematics (Bottom)


10 μ H ~ 39 μ H



47 μ H ~ 470 μ H

◆ Specification

Type: CDRH104

Part Name ※	Stamp	Inductance (μ H) 1kHz/1V	D.C.R.(Ω) Max.(Typ.) (at 20°C)	Rated Current (A) ※2
CDRH104NP-100M□	100	10 \pm 20%	50m(37m)	2.40
CDRH104NP-120M□	120	12 \pm 20%	54m(40m)	2.25
CDRH104NP-150M□	150	15 \pm 20%	61m(45m)	2.00
CDRH104NP-180M□	180	18 \pm 20%	84m(63m)	1.80
CDRH104NP-220M□	220	22 \pm 20%	94m(69m)	1.65
CDRH104NP-270M□	270	27 \pm 20%	0.11(82m)	1.45
CDRH104NP-330M□	330	33 \pm 20%	0.15(0.11)	1.35
CDRH104NP-390M□	390	39 \pm 20%	0.17(0.13)	1.20
CDRH104NP-470M□	470	47 \pm 20%	0.21(0.15)	1.10
CDRH104NP-560M□	560	56 \pm 20%	0.23(0.17)	1.00
CDRH104NP-680M□	680	68 \pm 20%	0.26(0.20)	0.93
CDRH104NP-820M□	820	82 \pm 20%	0.36(0.27)	0.84
CDRH104NP-101M□	101	100 \pm 20%	0.41(0.30)	0.76
CDRH104NP-121M□	121	120 \pm 20%	0.45(0.34)	0.70
CDRH104NP-151M□	151	150 \pm 20%	0.64(0.47)	0.63
CDRH104NP-181M□	181	180 \pm 20%	0.84(0.62)	0.57
CDRH104NP-221M□	221	220 \pm 20%	0.96(0.71)	0.52
CDRH104NP-271M□	271	270 \pm 20%	1.07(0.79)	0.47
CDRH104NP-331M□	331	330 \pm 20%	1.37(1.05)	0.43
CDRH104NP-391M□	391	390 \pm 20%	1.55(1.19)	0.39
CDRH104NP-471M□	471	470 \pm 20%	1.74(1.34)	0.36

※ Description of part name

CDRH104NP-100M□

- B Box
- C Carrier Tape

※ Rated current: The DC current at which the inductance decreases to 75% of it's nominal value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$).

Looking for pricing, stock, or lifecycle information?

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- ⊖ [Sumida America Components Inc. Information](#)

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