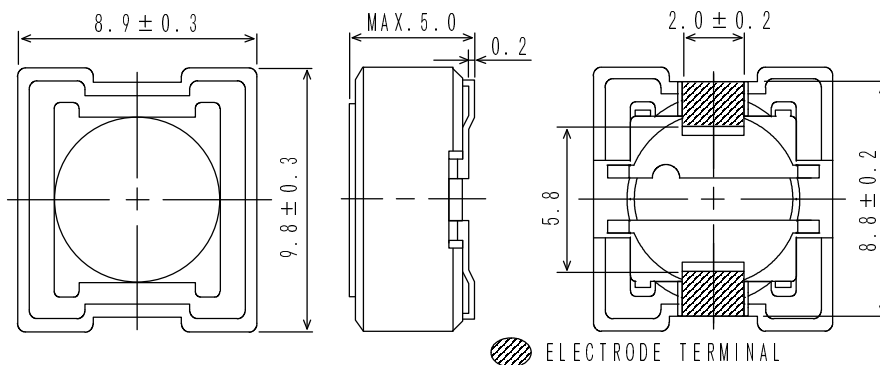
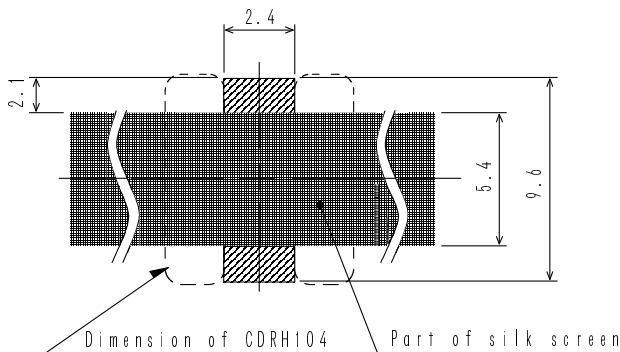
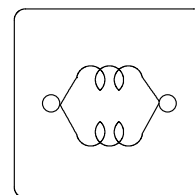
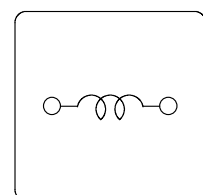


**Type: CDRH104**
**◆ Product Description**

- 10.1×9.2mm Max.(L×W), 5.0mm Max. Height.
- Inductance range: 10~470  $\mu$  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  $\mu$  H ~ 39  $\mu$  H

47  $\mu$  H ~ 470  $\mu$  H

**◆ Specification**

Please refer to the sales offices on our website for a representative near you

[www.sumida.com](http://www.sumida.com)

**Type: CDRH104**

| Part Name<br>※  | Stamp | Inductance<br>( $\mu$ H)<br>1kHz/1V | D.C.R.( $\Omega$ )<br>Max.(Typ.)<br>(at 20°C) | Rated Current<br>(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( $T_a=20^{\circ}\text{C}$ ).