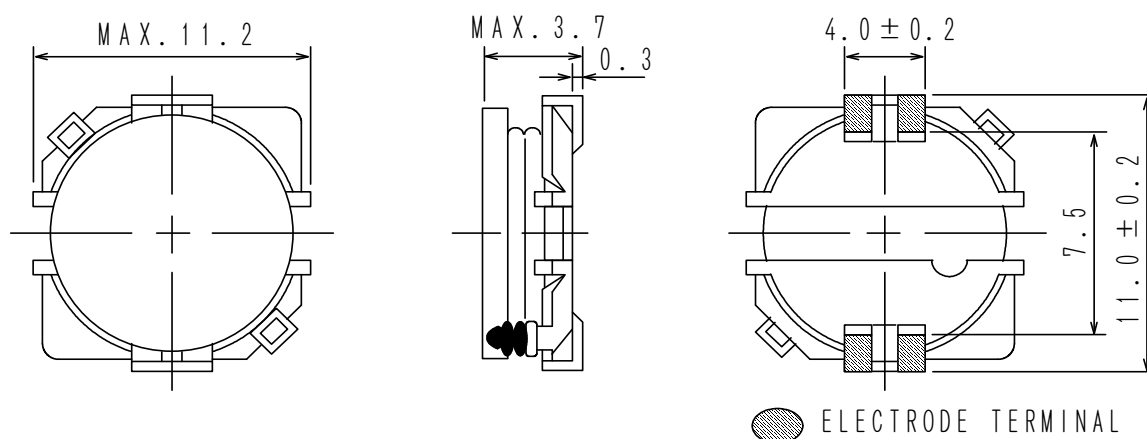
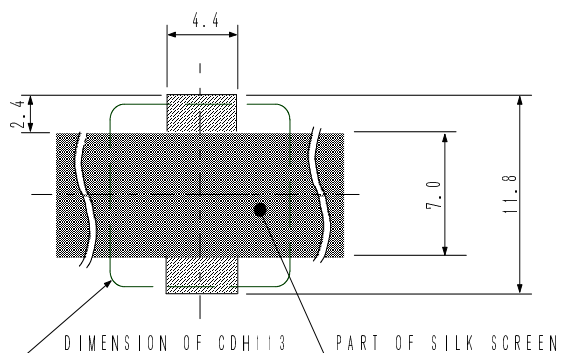


**Type: CDH113**
**◆ Product Description**

- 11.2×11.2mm Max.(L×W),3.7mm Max. Height.
- Inductance range: 10~470  $\mu$  H.
- Rated current range: 0.29~2.0A.
- In addition to the standard versions of inductors shown here,  
custom inductors are available to meet your exact requirements.


**◆ Feature**

- Magnetically unshielded construction.
- Storage temperature range: -30°C~+100°C.
- Operating temperature range: -30°C~+100°C (Including coil's self temperature rise).
- Ideally used in Notebook PC ,DVD, LCD TV ,Game machine, Projector etc as DC-DC converter inductors.
- RoHS compliance.

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**


**Type: CDH113**
**◆ Specification**

| Part Name<br>※ | Stamp | Inductance<br>( $\mu$ H)<br>1 kHz | D.C.R. ( $\Omega$ )<br>Max. (Typ.)<br>(at 20°C) | Rated Current<br>(A) ※1 |
|----------------|-------|-----------------------------------|-------------------------------------------------|-------------------------|
| CDH113NP-100M□ | 100   | 10 $\pm$ 20%                      | 47m(36m)                                        | 2.00                    |
| CDH113NP-120M□ | 120   | 12 $\pm$ 20%                      | 56m(43m)                                        | 1.80                    |
| CDH113NP-150M□ | 150   | 15 $\pm$ 20%                      | 72m(56m)                                        | 1.55                    |
| CDH113NP-180M□ | 180   | 18 $\pm$ 20%                      | 78m(60m)                                        | 1.45                    |
| CDH113NP-220M□ | 220   | 22 $\pm$ 20%                      | 98m(75m)                                        | 1.25                    |
| CDH113NP-270L□ | 270   | 27 $\pm$ 15%                      | 0.11(87m)                                       | 1.16                    |
| CDH113NP-330L□ | 330   | 33 $\pm$ 15%                      | 0.15(0.11)                                      | 1.05                    |
| CDH113NP-390L□ | 390   | 39 $\pm$ 15%                      | 0.17(0.13)                                      | 0.97                    |
| CDH113NP-470L□ | 470   | 47 $\pm$ 15%                      | 0.22(0.17)                                      | 0.91                    |
| CDH113NP-560K□ | 560   | 56 $\pm$ 10%                      | 0.24(0.19)                                      | 0.80                    |
| CDH113NP-680K□ | 680   | 68 $\pm$ 10%                      | 0.28(0.21)                                      | 0.76                    |
| CDH113NP-820K□ | 820   | 82 $\pm$ 10%                      | 0.38(0.29)                                      | 0.66                    |
| CDH113NP-101K□ | 101   | 100 $\pm$ 10%                     | 0.43(0.33)                                      | 0.61                    |
| CDH113NP-121K□ | 121   | 120 $\pm$ 10%                     | 0.49(0.38)                                      | 0.56                    |
| CDH113NP-151K□ | 151   | 150 $\pm$ 10%                     | 0.61(0.47)                                      | 0.49                    |
| CDH113NP-181K□ | 181   | 180 $\pm$ 10%                     | 0.75(0.58)                                      | 0.45                    |
| CDH113NP-221K□ | 221   | 220 $\pm$ 10%                     | 0.90(0.69)                                      | 0.43                    |
| CDH113NP-271K□ | 271   | 270 $\pm$ 10%                     | 1.13(0.87)                                      | 0.37                    |
| CDH113NP-331K□ | 331   | 330 $\pm$ 10%                     | 1.28(1.02)                                      | 0.34                    |
| CDH113NP-391K□ | 391   | 390 $\pm$ 10%                     | 1.60(1.28)                                      | 0.31                    |
| CDH113NP-471K□ | 471   | 470 $\pm$ 10%                     | 1.88(1.50)                                      | 0.29                    |

**※ Description of part name**

CDH113NP-100M□

- B Box
- C Carrier Tape

※1. 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( $T_a=20^{\circ}\text{C}$ ).