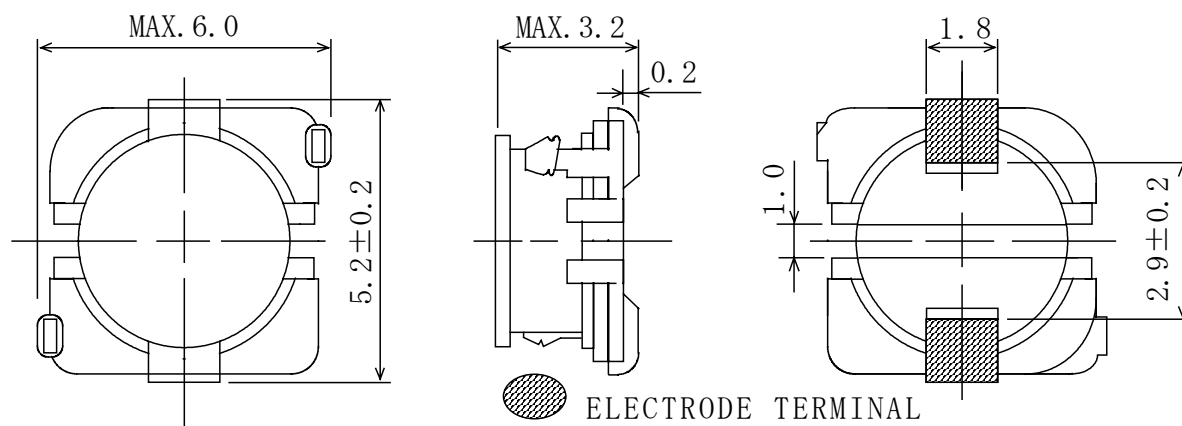
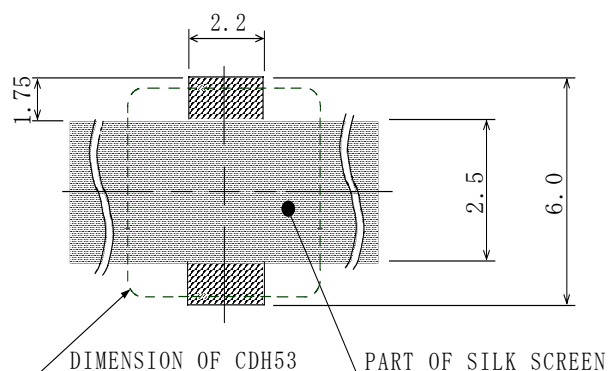


Type: CDH53
◆ Product Description

- 6.0×5.4mm Max.(L×W), 3.2mm Max. Height.
- Inductance Range: 2.2~220 μ H
- Rated current range: 0.26~2.03A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


◆ Feature

- Magnetically unshielded construction.
- Ideally used in PDA,DVD,HDD, DVC, Game machine, Notebook PC, etc as DC-DC Converter inductors.
- RoHS Compliance

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDH53
◆ Specification

Part Name ※	Stamp	Inductance [Within] ※2	D.C.R.(Ω) Max.(Typ.) (at 20°C)	Rated current (A) ※1
CDH53NP-2R2M□ CDH53NP-3R3M□ CDH53NP-4R7M□	2R2 3R3 4R7	2.2 μ H $\pm$ 20 % 3.3 μ H $\pm$ 20 % 4.7 μ H $\pm$ 20 %	66m (51m) 88m (68m) 96m (74m)	2.03 1.88 1.68
CDH53NP-100L□ CDH53NP-120L□ CDH53NP-150K□	100 120 150	10 μ H $\pm$ 15 % 12 μ H $\pm$ 15 % 15 μ H $\pm$ 10 %	0.16(0.13) 0.18(0.14) 0.25(0.20)	1.23 1.12 1.00
CDH53NP-180K□ CDH53NP-220K□ CDH53NP-270K□	180 220 270	18 μ H $\pm$ 10 % 22 μ H $\pm$ 10 % 27 μ H $\pm$ 10 %	0.28(0.21) 0.39(0.30) 0.42(0.32)	0.88 0.80 0.72
CDH53NP-330K□ CDH53NP-390K□ CDH53NP-470K□	330 390 470	33 μ H $\pm$ 10 % 39 μ H $\pm$ 10 % 47 μ H $\pm$ 10 %	0.49(0.38) 0.55(0.43) 0.77(0.59)	0.67 0.64 0.53
CDH53NP-560K□ CDH53NP-680J□ CDH53NP-820J□	560 680 820	56 μ H $\pm$ 10 % 68 μ H $\pm$ 5 % 82 μ H $\pm$ 5 %	0.87(0.67) 1.21(0.96) 1.34(1.07)	0.50 0.45 0.39
CDH53NP-101J□ CDH53NP-121J□ CDH53NP-151J□	101 121 151	100 μ H $\pm$ 5 % 120 μ H $\pm$ 5 % 150 μ H $\pm$ 5 %	1.57(1.25) 1.80(1.44) 2.40(1.92)	0.37 0.34 0.31
CDH53NP-181J□ CDH53NP-221J□	181 221	180 μ H $\pm$ 5 % 220 μ H $\pm$ 5 %	2.66(2.13) 3.73(2.99)	0.30 0.26

※ Description of part name

CDH53NP-2R2M□

- 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($T_a=20^{\circ}\text{C}$).

※2: Measuring frequency: 2.2 μ H $\sim$ 4.7 μ H at 7.96 MHz
 10 μ H $\sim$ 220 μ H at 1 kHz