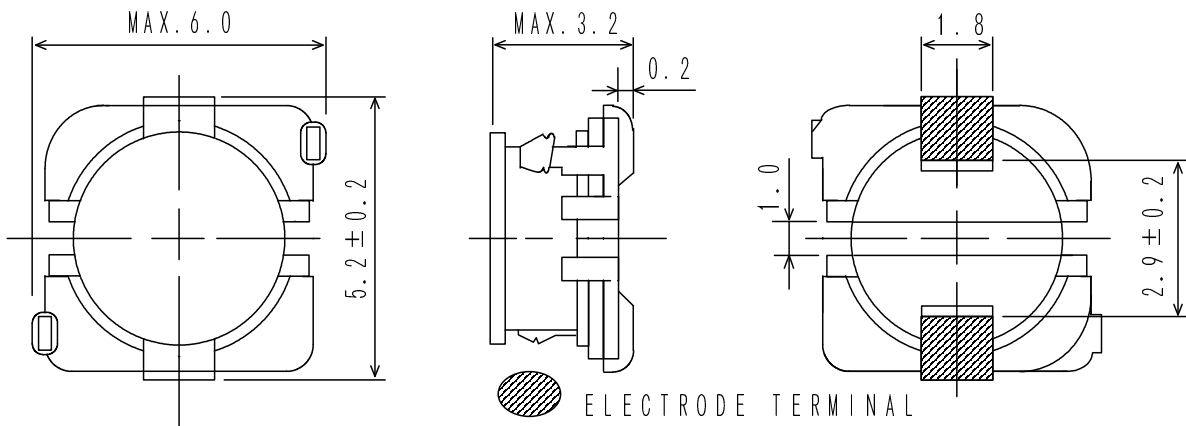
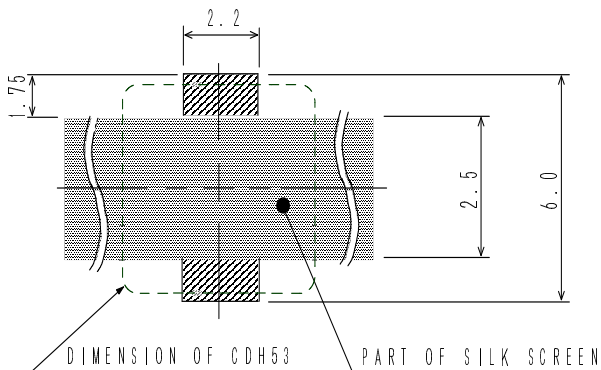


Type: CDH53
◆ Product Description

- 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.
- Storage temperature range: -40°C~+100°C.
- Operating temperature range: -40°C~+125°C (Including coil's self heat).
- Ideally used in PDA,DVD,HDD, DVC, Game machine, Notebook PC, etc as DC-DC converter inductors.
- Qualification to AEC-Q200.
- RoHS compliance and Halogen Free.

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDH53
◆ Specification

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

※ Description of part name

CDH53NP-2R2M□

- B Box
- C Carrier Tape

※1. Measuring frequency: 2.2 μH ~ 4.7 μH at 7.96 MHz;
10 μH ~ 220 μH at 1kHz.

※2. 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($T_a=20^\circ\text{C}$).