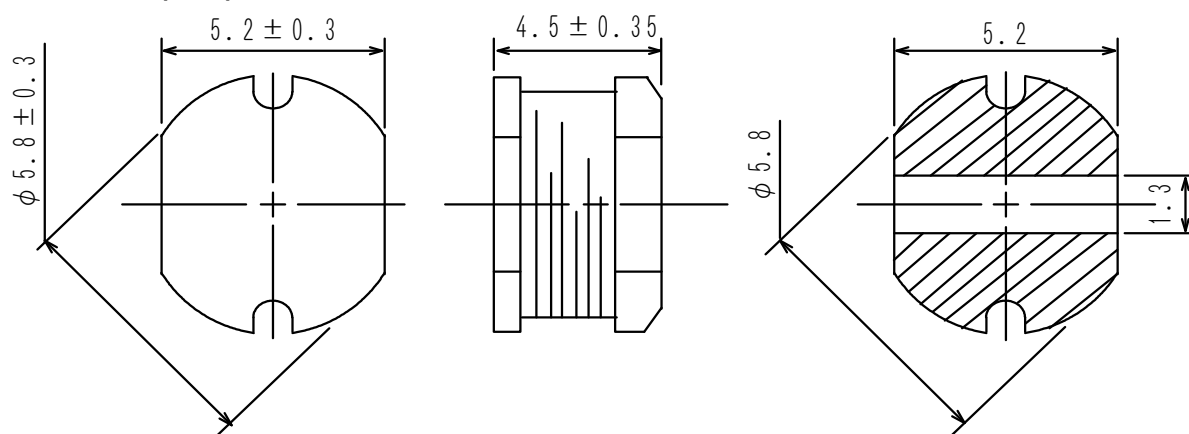
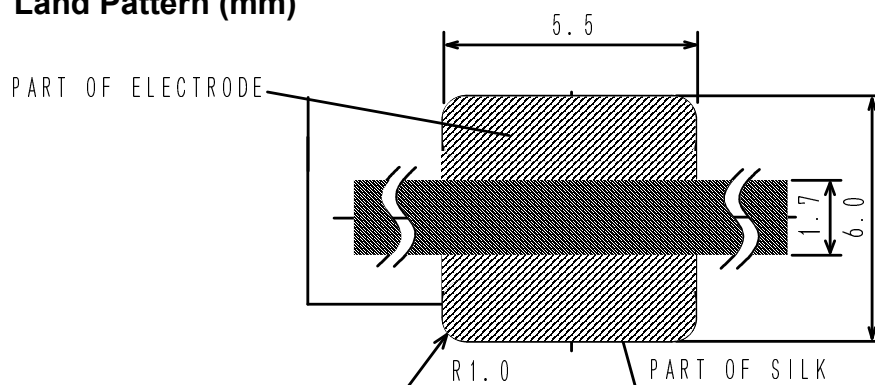


Type: CD54
◆ Product Description

- 6.1×5.5mm Max.(L×W), 4.85mm Max. Height.
- Inductance range: 10~220 μ H.
- Rated current range: 0.35~1.44A.
- Custom design is available.


◆ Feature

- Magnetically unshielded construction.
- Storage temperature range: -40°C~+100°C.
- Operating temperature range: -40°C~+100°C (Including coil's self heat).
- Ideally used in Mobilephone,PDA,MP3,DSC/DVC,HDD, etc as DC-DC converter inductors.
- RoHS compliance.
- Halogen Free available.

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Specification

Type: CD54

Part Name ※	Stamp	Inductance (μ H) ※1	D.C.R (Ω) [Max.] (at 20°C)	Rated Current (A) ※2	S.R.F. (MHz) (Typ.)
CD54NP-100M□	100	$10 \pm 20\%$	0.10	1.44	30.6
CD54NP-120M□	120	$12 \pm 20\%$	0.12	1.40	27.7
CD54NP-150M□	150	$15 \pm 20\%$	0.14	1.30	25.9
CD54NP-180M□	180	$18 \pm 20\%$	0.15	1.23	23.3
CD54NP-220M□	220	$22 \pm 20\%$	0.18	1.11	19.5
CD54NP-270M□	270	$27 \pm 20\%$	0.20	0.97	17.5
CD54NP-330L□	330	$33 \pm 15\%$	0.23	0.88	16.3
CD54NP-390L□	390	$39 \pm 15\%$	0.32	0.80	15.8
CD54NP-470L□	470	$47 \pm 15\%$	0.37	0.72	13.6
CD54NP-560K□	560	$56 \pm 10\%$	0.42	0.68	12.1
CD54NP-680K□	680	$68 \pm 10\%$	0.46	0.61	11.7
CD54NP-820K□	820	$82 \pm 10\%$	0.60	0.58	10.2
CD54NP-101K□	101	$100 \pm 10\%$	0.70	0.52	9.24
CD54NP-121K□	121	$120 \pm 10\%$	0.93	0.48	8.61
CD54NP-151K□	151	$150 \pm 10\%$	1.10	0.40	8.28
CD54NP-181K□	181	$180 \pm 10\%$	1.38	0.38	6.42
CD54NP-221K□	221	$220 \pm 10\%$	1.57	0.35	5.73

※ Description of part name

CD54NP-100M□

- B: Box
- C: Carrier Tape

※1. Measuring frequency: inductance: $10 \mu\text{H} \sim 82 \mu\text{H}$ at 2.52 MHz
 $100 \mu\text{H} \sim 220 \mu\text{H}$ at 1 kHz

※2. Rated current: The DC current at which the inductance decreases to 90 % of its initial value or when $\Delta t = 40^\circ\text{C}$, whichever is lower ($T_a = 20^\circ\text{C}$).