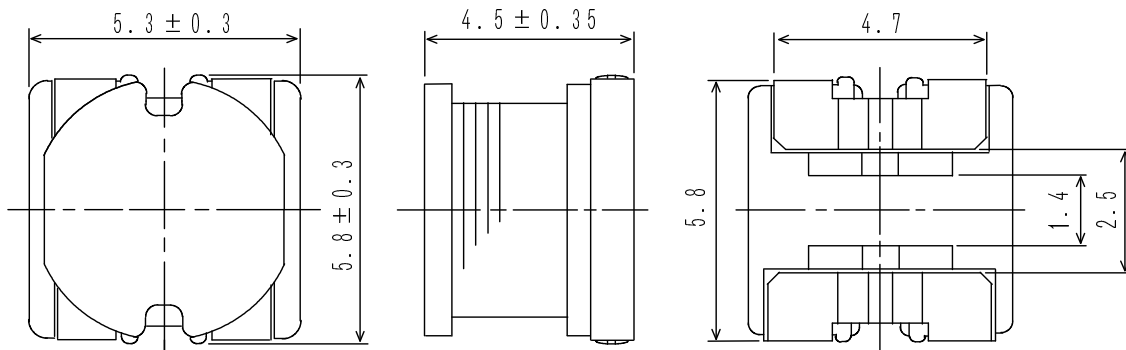
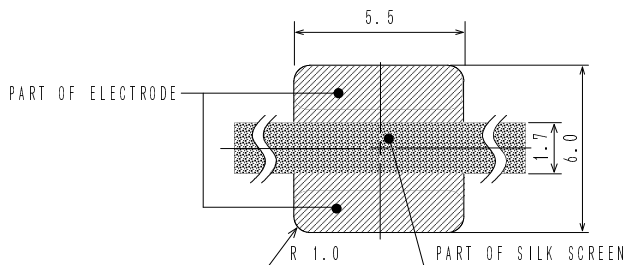


Type: CR54
◆ Product Description

- 6.1 × 5.6mm Max.(L × W), 4.85mm Max. Height.
- Inductance range: 2.2 ~ 220 μ H.
- Rated current range: 0.35 ~ 3.84A.
- 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 ~ +100°C (Including coil's self temperature rise).
- Ideally used in A/V equipment, LCD TV, DSC/DVC, Game Machine, DVC, HDD, Notebook PC, etc as DC-DC converter inductors.
- RoHS compliance.

◆ Dimensions (mm)

◆ Land Pattern (mm)


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Type: CR54
◆ Specification

Part Name ※	Stamp	Inductance (μ H) ※1	D.C.R. (Ω) [MAX.] (at 20°C)	Rated Current (A)※2	S.R.F. [TYP.] (MHz)
CR54NP-2R2M□	2R2	2.2 \pm 20 %	23.4m	3.84	36.0
CR54NP-2R7M□	2R7	2.7 \pm 20 %	26.0m	3.44	32.9
CR54NP-3R3M□	3R3	3.3 \pm 20 %	28.6m	3.20	30.5
CR54NP-3R9M□	3R9	3.9 \pm 20 %	35.1m	3.00	26.5
CR54NP-4R4M□	4R4	4.4 \pm 20 %	39.0m	2.80	24.3
CR54NP-5R0M□	5R0	5.0 \pm 20 %	44.2m	2.60	23.1
CR54NP-5R6M□	5R6	5.6 \pm 20 %	49.4m	2.48	20.8
CR54NP-6R4M□	6R4	6.4 \pm 20 %	52.0m	2.20	20.4
CR54NP-7R6M□	7R6	7.6 \pm 20 %	62.4m	2.08	19.6
CR54NP-8R5M□	8R5	8.5 \pm 20 %	67.6m	1.84	18.9
CR54NP-100M□	100	10 \pm 20 %	0.10	1.44	30.6
CR54NP-120M□	120	12 \pm 20 %	0.12	1.40	27.7
CR54NP-150M□	150	15 \pm 20 %	0.14	1.30	25.9
CR54NP-180M□	180	18 \pm 20 %	0.15	1.23	23.3
CR54NP-220M□	220	22 \pm 20 %	0.18	1.11	19.5
CR54NP-270M□	270	27 \pm 20 %	0.20	0.97	17.5
CR54NP-330L□	330	33 \pm 15 %	0.23	0.88	16.3
CR54NP-390L□	390	39 \pm 15 %	0.32	0.80	15.8
CR54NP-470L□	470	47 \pm 15 %	0.37	0.72	13.6
CR54NP-560K□	560	56 \pm 10 %	0.42	0.68	12.1
CR54NP-680K□	680	68 \pm 10 %	0.46	0.61	11.7
CR54NP-820K□	820	82 \pm 10 %	0.60	0.58	10.2
CR54NP-101K□	101	100 \pm 10 %	0.70	0.52	9.24
CR54NP-121K□	121	120 \pm 10 %	0.93	0.48	8.61
CR54NP-151K□	151	150 \pm 10 %	1.10	0.40	8.28
CR54NP-181K□	181	180 \pm 10 %	1.38	0.38	6.42
CR54NP-221K□	221	220 \pm 10 %	1.57	0.35	5.73

※ Description of part name

CR54NP-2R2M□

— B Box

— C Carrier Tape

※1.Measuring frequency: 2.2 μ H ~ 8.5 μ H ; at 7.96MHz
 10 μ H ~ 82 μ H ; at 2.52MHz
 100 μ H ~ 220 μ H ; at 1 kHz

※2.Rated current: The D.C. current at which the inductance decreases to 90% of it's initial value or when
 $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$).

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