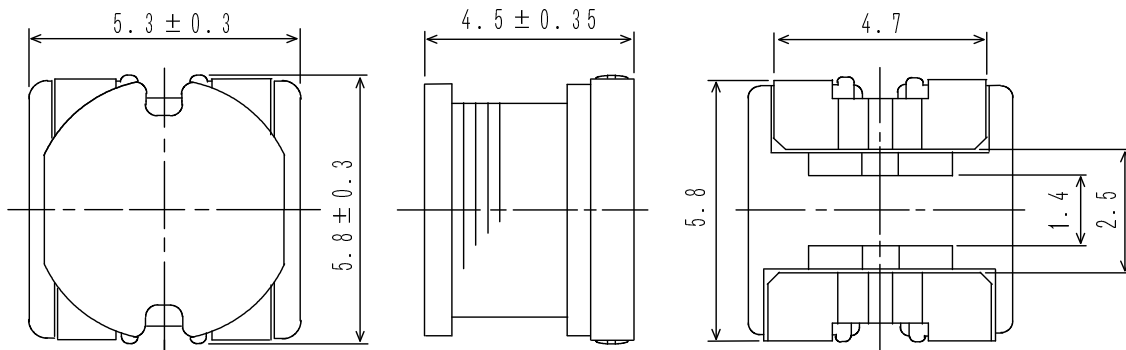
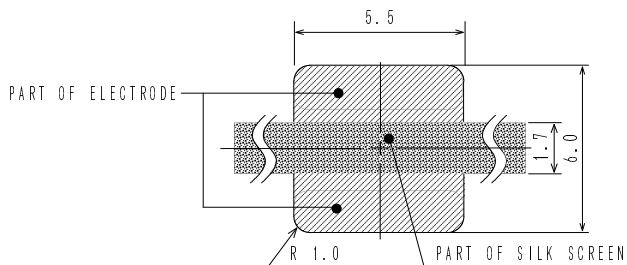


**Type: CR54**
**◆ Product Description**

- 6.1 × 5.6mm Max.(L × W), 4.85mm Max. Height.
- Inductance range: 2.2 ~ 220  $\mu$  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 ( $\mu$ H) ※1	D.C.R. ( $\Omega$ ) [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 $\mu$  H ~ 8.5 $\mu$  H ; at 7.96MHz  
 10 $\mu$  H ~ 82 $\mu$  H ; at 2.52MHz  
 100 $\mu$  H ~ 220 $\mu$  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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2/2