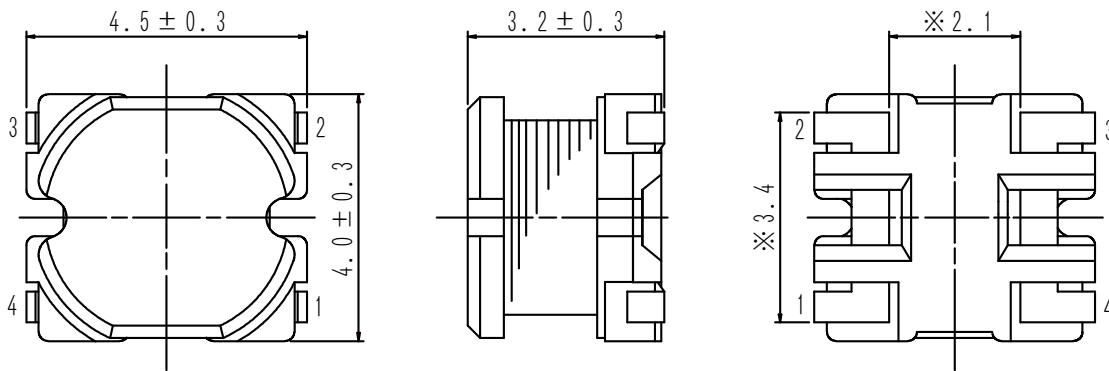
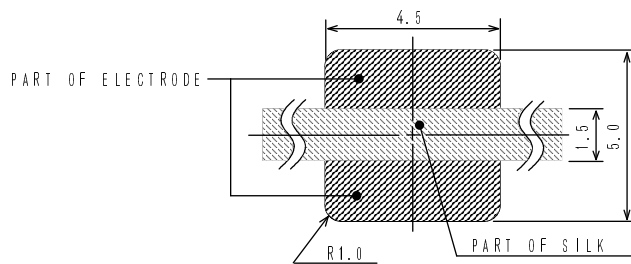


Type: CR43
◆ Product Description

- 4.8×4.3mm Max.(L×W), 3.5mm Max. Height.
- Inductance range: 1.0~68 μ H.
- Rated current range: 0.37~2.56A.
- 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 and Halogen Free.

◆ Dimensions (mm)

◆ Land Pattern (mm)


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Type: CR43
◆ 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) |
|----------------|-------|---------------------------------|--------------------------------------------|-------------------------|------------------------|
| CR43NP-1R0M□ | 1R0 | 1.0±20% | 48.7m | 2.56 | 152.8 |
| CR43NP-1R4M□ | 1R4 | 1.4±20% | 56.2m | 2.52 | 112.7 |
| CR43NP-1R8M□ | 1R8 | 1.8±20% | 63.7m | 1.95 | 77.8 |
| CR43NP-2R2M□ | 2R2 | 2.2±20% | 71.2m | 1.75 | 68.3 |
| CR43NP-2R7M□ | 2R7 | 2.7±20% | 78.7m | 1.58 | 64.0 |
| CR43NP-3R3M□ | 3R3 | 3.3±20% | 86.2m | 1.44 | 60.0 |
| CR43NP-3R9M□ | 3R9 | 3.9±20% | 93.7m | 1.33 | 52.6 |
| CR43NP-4R7M□ | 4R7 | 4.7±20% | 108.7m | 1.15 | 49.3 |
| CR43NP-5R6M□ | 5R6 | 5.6±20% | 125.7m | 0.99 | 44.2 |
| CR43NP-6R8M□ | 6R8 | 6.8±20% | 131.2m | 0.95 | 42.3 |
| CR43NP-8R2M□ | 8R2 | 8.2±20% | 146.2m | 0.84 | 34.8 |
| CR43NP-100M□ | 100 | 10±20 % | 0.182 | 1.04 | 34.8 |
| CR43NP-120M□ | 120 | 12±20 % | 0.210 | 0.97 | 30.5 |
| CR43NP-150M□ | 150 | 15±20 % | 0.235 | 0.85 | 28.0 |
| CR43NP-180M□ | 180 | 18±20 % | 0.338 | 0.74 | 26.8 |
| CR43NP-220M□ | 220 | 22±20 % | 0.378 | 0.68 | 23.0 |
| CR43NP-270M□ | 270 | 27±20 % | 0.522 | 0.62 | 20.6 |
| CR43NP-330K□ | 330 | 33±10 % | 0.540 | 0.56 | 19.3 |
| CR43NP-390K□ | 390 | 39±10 % | 0.587 | 0.52 | 17.3 |
| CR43NP-470K□ | 470 | 47±10 % | 0.844 | 0.44 | 16.6 |
| CR43NP-560K□ | 560 | 56±10 % | 0.937 | 0.42 | 14.5 |
| CR43NP-680K□ | 680 | 68±10 % | 1.117 | 0.37 | 13.3 |

※ Description of part name

CR43NP-1R0M□
 └─ B Box
 └─ C Carrier Tape

※1: Measuring frequency: 1.0 μ H ~ 8.2 μ H ; at 7.96 MHz
 10 μ H ~ 68 μ H ; at 2.52 MHz

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

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