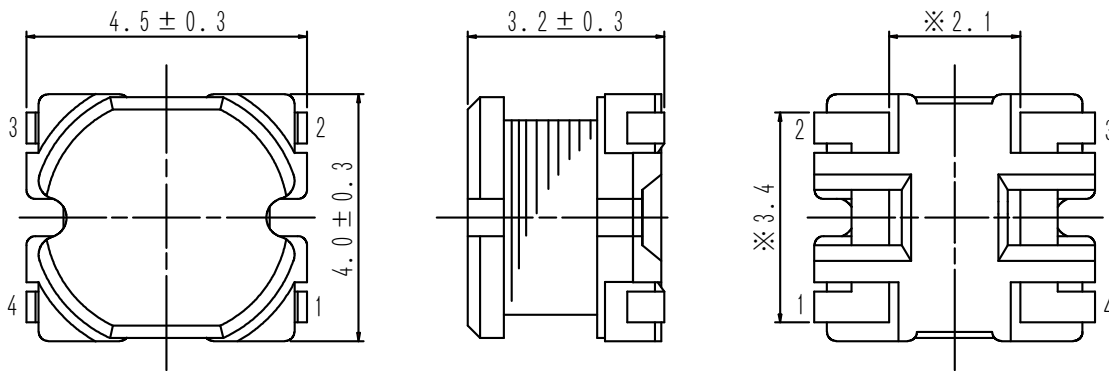
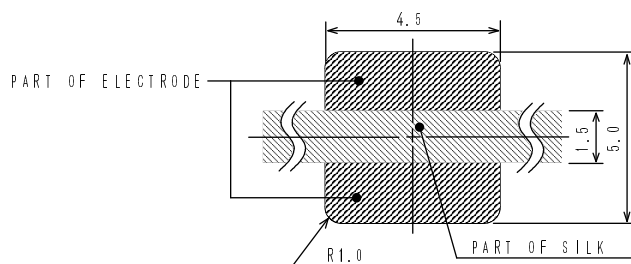


**Type: CR43**
**◆ Product Description**

- 4.8×4.3mm Max.(L×W), 3.5mm Max. Height.
- Inductance range: 1.0~68  $\mu$  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)**


**Type: CR43**
**◆ Specification**

| Part Name<br>※ | Stamp | Inductance<br>( $\mu$ H)<br>※ 1 | D.C.R. ( $\Omega$ )<br>[Max.]<br>(at 20°C) | Rated Current<br>(A) ※2 | S.R.F.<br>[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  $\mu$  H ~ 8.2  $\mu$  H ; at 7.96 MHz  
 10  $\mu$  H ~ 68  $\mu$  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 ( $T_a=20^{\circ}\text{C}$ ).