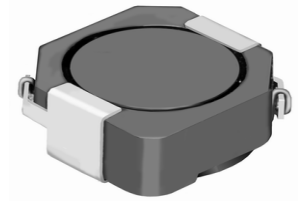
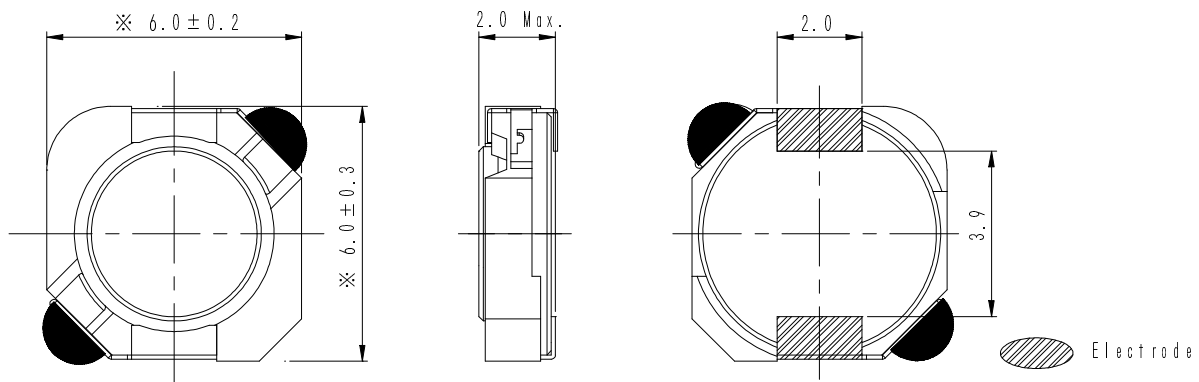
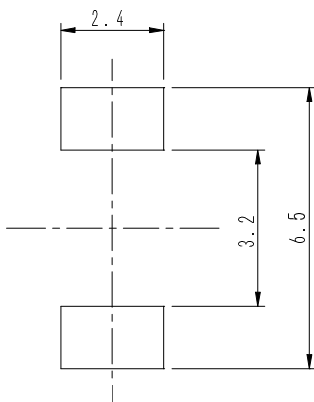


Type: CDRH5D18R
◆ Product Description

- 6.3×6.2mm Max. (L×W). 2.0mm Max. Height.
- Inductance range: 2.2~220 μ H.
- Rated current range: 0.8~2.28A.
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- Storage temperature range: -40°C ~+105°C.
- Operating temperature range: -40°C ~+105°C (Including coil's self temperature rise).
- Ideally used in MP3, PDA ,HDD,DSC/DVC, Notebook PC etc as DC-DC converter inductors.
- Product weight: 0.22g (Ref.).
- RoHS compliance.

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDRH5D18R
◆ Specification

| Part Name ※ | Stamp | Inductance (μ H) 100kHz/1V | D.C.R.(m Ω) [Max.](Typ.) (at 20°C) | Saturation Current (A) ※1 | | Temperature Rise Current (A) ※2 |
|-------------------|-------|---------------------------------------|--|------------------------------|----------|---------------------------------------|
| | | | | at 20°C | at 105°C | |
| CDRH5D18RNP-2R2N□ | 2R2 | 2.2±30% | 45.0(36.0) | 2.28 | 1.88 | 2.50 |
| CDRH5D18RNP-3R3N□ | 3R3 | 3.3±30% | 52.5(42.0) | 1.88 | 1.56 | 2.20 |
| CDRH5D18RNP-3R9N□ | 3R9 | 3.9±30% | 62.5(50.0) | 1.74 | 1.44 | 1.95 |
| CDRH5D18RNP-4R7N□ | 4R7 | 4.7±30% | 78.5(63.0) | 1.68 | 1.38 | 1.82 |
| CDRH5D18RNP-5R6N□ | 5R6 | 5.6±30% | 102.5(82.0) | 1.52 | 1.21 | 1.75 |
| CDRH5D18RNP-8R2N□ | 8R2 | 8.2±30% | 135.0(108.0) | 1.28 | 1.04 | 1.38 |
| CDRH5D18RNP-100N□ | 100 | 10±30% | 143.5(115.0) | 1.20 | 0.97 | 1.35 |
| CDRH5D18RNP-120N□ | 120 | 12±30% | 150.0(120.0) | 1.10 | 0.89 | 1.10 |
| CDRH5D18RNP-150N□ | 150 | 15±30% | 181.2(145.0) | 0.95 | 0.77 | 0.95 |
| CDRH5D18RNP-180N□ | 180 | 18±30% | 212.5(170.0) | 0.88 | 0.72 | 0.90 |
| CDRH5D18RNP-220N□ | 220 | 22±30% | 290.0(225.0) | 0.81 | 0.64 | 0.80 |

※ Description of part name

CDRH5D18RNP-2R2N□

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

※2. Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).