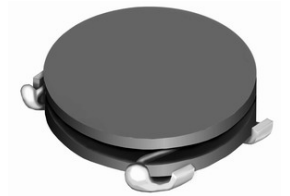
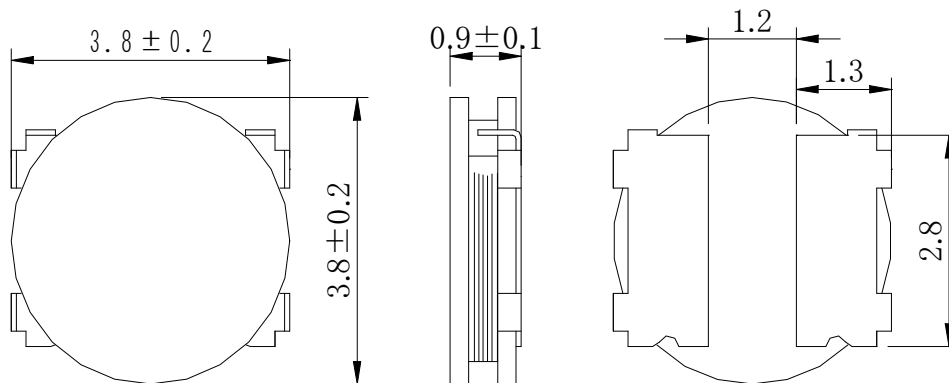
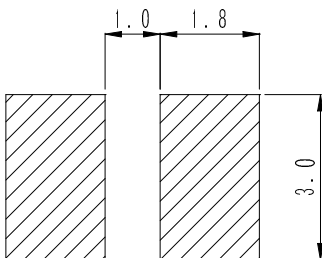
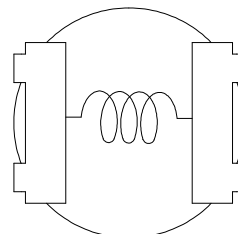


Type: CDH38D09/SLD
◆ Product Description

- 4.0×4.0mm Max.(L×W), 1.0mm Max. Height.
- Inductance range: 2.7~33 μ H.
- Rated current range: 0.3~1.08A.
- Custom design is available.


◆ Feature

- Magnetically unshielded construction.
- Storage temperature range: -40°C ~+105°C.
- Operating temperature range: -40°C ~+105°C (Including coil's self temperature rise).
- Ideally used in Mobilephone,PDA,MP3,DSC/DVC,HDD,etc as DC-DC converter inductors.
- Product weight: 0.05g (Ref.)
- RoHS compliance.

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics (Bottom)


Type: CDH38D09/SLD
◆ Specification

| Part Name ※ | Stamp | Inductance (μ H) 100kHz/1V | D.C.R.(m Ω) (20°C) | Saturation Current (A) ※1 | Temperature Rise Current (A) ※2 |
|---------------------|-------|---------------------------------------|-------------------------------|---------------------------------|---------------------------------------|
| CDH38D09SLDNP-2R7M□ | 2R7 | 2.7±20% | 98±20% | 1.08 | 1.70 |
| CDH38D09SLDNP-3R3M□ | 3R3 | 3.3±20% | 110±20% | 0.90 | 1.60 |
| CDH38D09SLDNP-3R9M□ | 3R9 | 3.9±20% | 125±20% | 0.80 | 1.48 |
| CDH38D09SLDNP-4R7M□ | 4R7 | 4.7±20% | 140±20% | 0.76 | 1.40 |
| CDH38D09SLDNP-5R4M□ | 5R4 | 5.4±20% | 175±20% | 0.74 | 1.20 |
| CDH38D09SLDNP-6R4M□ | 6R4 | 6.4±20% | 195±20% | 0.70 | 1.16 |
| CDH38D09SLDNP-6R8M□ | 6R8 | 6.8±20% | 210±20% | 0.66 | 1.12 |
| CDH38D09SLDNP-8R2M□ | 8R2 | 8.2±20% | 274±20% | 0.60 | 0.98 |
| CDH38D09SLDNP-100M□ | 100 | 10±20% | 320±20% | 0.57 | 0.92 |
| CDH38D09SLDNP-120M□ | 120 | 12±20% | 385±20% | 0.50 | 0.85 |
| CDH38D09SLDNP-150M□ | 150 | 15±20% | 439±20% | 0.46 | 0.78 |
| CDH38D09SLDNP-180M□ | 180 | 18±20% | 588±20% | 0.42 | 0.68 |
| CDH38D09SLDNP-220M□ | 220 | 22±20% | 650±20% | 0.37 | 0.62 |
| CDH38D09SLDNP-270M□ | 270 | 27±20% | 930±20% | 0.33 | 0.55 |
| CDH38D09SLDNP-330M□ | 330 | 33±20% | 1049±20% | 0.30 | 0.50 |

※ Description of part name

CDH38D09SLDNP-2R7M□

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 70% of its nominal value.

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