

Type: CDEP125ME
◆ Product Description

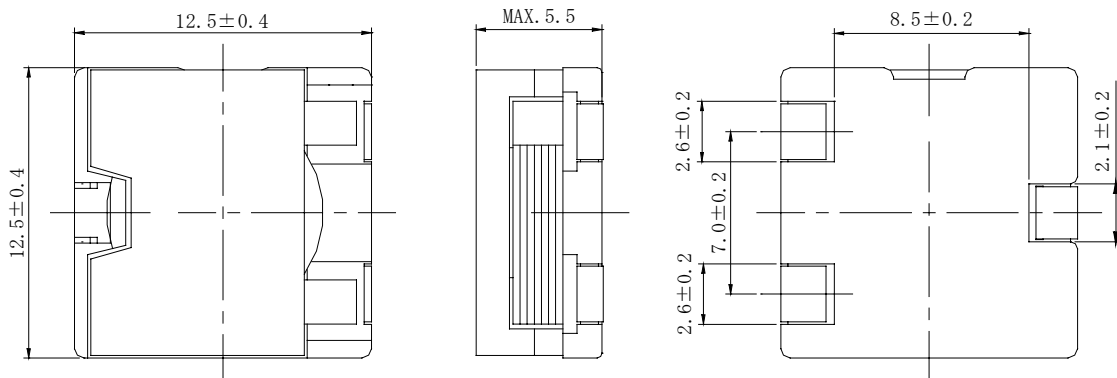
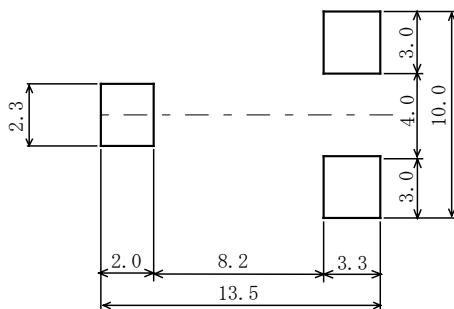
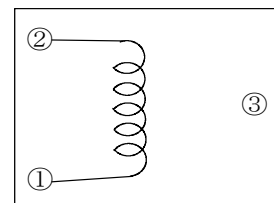
- 12.9×12.9mm Max. (L×W), 5.5mm Max. height
- Inductance range: 0.3~2.9 μH
- Rated Current Range: 11.5~21A
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.



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◆ Feature

- Super high current inductors.
- Iron powder core used, Flat wire used.
- Ideally used in portable computer CPU power supply.
- RoHS Compliance

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics (Bottom)


Type: CDEP125ME
◆ Specification

| Part Name ※ | Stamp | Inductance [Within] 100kHz/1V | D.C.R. (mΩ) Max.(Typ.) (at 20°C) | Saturation Current (A) ※1 | Temperature Rise current (A) ※2 |
|-------------------|-------|-------------------------------------|---|---------------------------------|---------------------------------------|
| CDEP125MENP-ØR3N□ | 0R3N | 0.3 μ H ± 25% | 1.2(1.0) | 40.0 | 21.0 |
| CDEP125MENP-ØR7N□ | 0R7N | 0.7 μ H ± 25% | 2.0(1.7) | 32.0 | 20.0 |
| CDEP125MENP-1R2N□ | 1R2N | 1.2 μ H ± 25% | 3.1(2.6) | 25.6 | 17.5 |
| CDEP125MENP-2R0N□ | 2R0N | 2.0 μ H ± 25% | 4.9(4.1) | 20.4 | 13.5 |
| CDEP125MENP-2R9N□ | 2R9N | 2.9 μ H ± 25% | 7.5(6.3) | 16.0 | 11.5 |

※ Description of part name

CDEP125MENP-ØR3N□

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 80% of it's initial value.
(Ta=20°C)

※2 Temperature rise current: The DC current at which the temperature rise is Δt=40°C.(Ta=20°C)