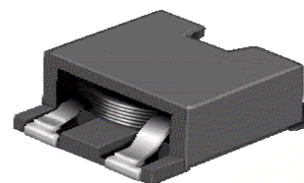
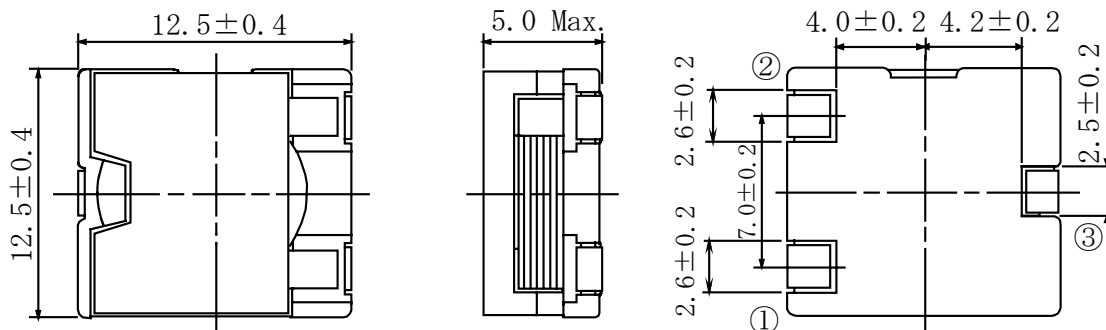
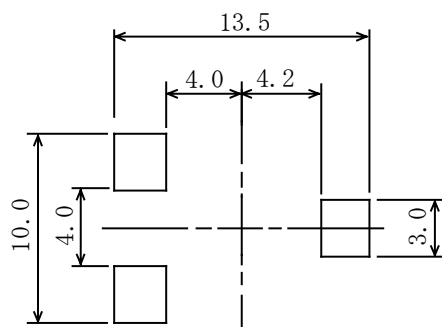
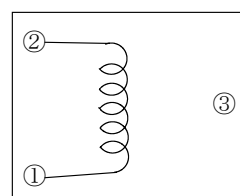


**Type: CEP124**
**Product Description**

- 12.9×12.9 mm Max.(L×W), 5.0mm Max. Height.
- Standard type and High Power Type are available.
- Inductance Range: 0.68~4.0  $\mu$  H (standard type );  
0.35~2.2  $\mu$  H (High Power type).
- Saturation Current range: 8.8~20.8 A (Standard type );  
16.2~38.4A (High Power type).
- Temperature rise current 12.6~18.4A
- Custom design is available.


**◆ Feature**

- Magnetically shielded construction.
- Super high current, Mn-Zn core used, Flat wire used.
- Ideally used in computer CPU power supply.
- RoHS Compliance

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**

**◆ Schematics (Bottom)**


**Type: CEP124**
**◆ Specification**
**1. High Power Type**

| Part Name        | Stamp | Inductance<br>( $\mu$ H)<br>100kHz/1V | D.C.R.<br>( $m\Omega$ )<br>Max.(Typ.)<br>(20°C) | Saturation Current<br>(A) ※1 |         | Temperature<br>Rise Current<br>(A) ※2 |
|------------------|-------|---------------------------------------|-------------------------------------------------|------------------------------|---------|---------------------------------------|
|                  |       |                                       |                                                 | (20°C)                       | (100°C) |                                       |
| CEP124NP-R35MC-H | R35MH | $0.35 \pm 20\%$                       | 1.6(1.3)                                        | 38.4                         | 32.4    | 18.4                                  |
| CEP124NP-0R8MC-H | 0R8MH | $0.80 \pm 20\%$                       | 2.4(2.0)                                        | 28.8                         | 21.0    | 17.8                                  |
| CEP124NP-1R4MC-H | 1R4MH | $1.40 \pm 20\%$                       | 4.2(3.5)                                        | 20.6                         | 15.7    | 13.8                                  |
| CEP124NP-2R2MC-H | 2R2MH | $2.20 \pm 20\%$                       | 7.6(6.3)                                        | 16.2                         | 13.4    | 12.6                                  |

**2. Standard Type**

| Part Name      | Stamp | Inductance<br>( $\mu$ H)<br>100kHz/1V | D.C.R.<br>( $m\Omega$ )<br>Max.(Typ.)<br>(20°C) | Saturation Current<br>(A) ※1 |         | Temperature<br>Rise Current<br>(A) ※2 |
|----------------|-------|---------------------------------------|-------------------------------------------------|------------------------------|---------|---------------------------------------|
|                |       |                                       |                                                 | (20°C)                       | (100°C) |                                       |
| CEP124NP-R68MC | R68MC | $0.68 \pm 20\%$                       | 1.6(1.3)                                        | 20.8                         | 17.0    | 18.4                                  |
| CEP124NP-1R5MC | 1R5MC | $1.50 \pm 20\%$                       | 2.4(2.0)                                        | 14.2                         | 11.5    | 17.8                                  |
| CEP124NP-2R7MC | 2R7MC | $2.70 \pm 20\%$                       | 4.2(3.5)                                        | 10.6                         | 8.2     | 13.8                                  |
| CEP124NP-4R0MC | 4R0MC | $4.00 \pm 20\%$                       | 7.6(6.3)                                        | 8.8                          | 7.0     | 12.6                                  |

※1 Saturation Current: The DC current at which the inductance decreases to 75% of it's nominal value.

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