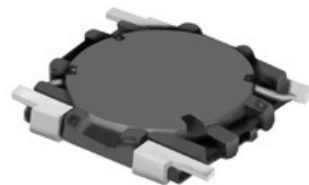
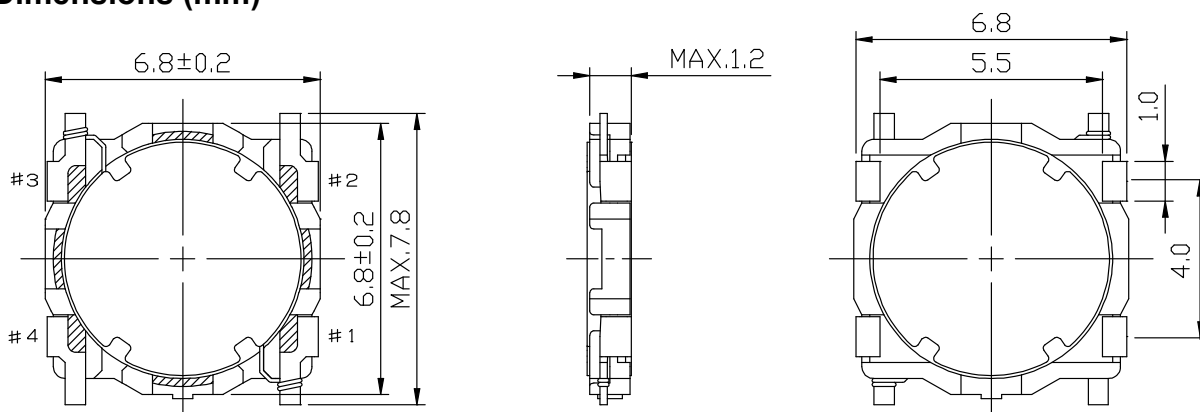
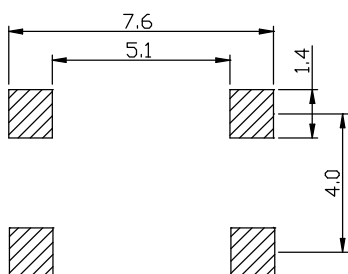
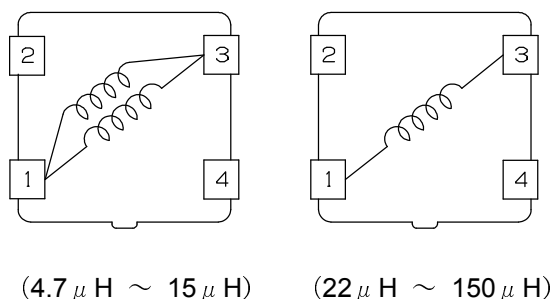


**Type: CMD6D11B**
**◆ Product Description**

- $7.8 \times 7.0\text{mm}$  Max.(L×W), 1.2mm Max. Height.
- Inductance range:  $4.7 \sim 150 \mu\text{H}$ .
- Rated current range: 180mA~1.3A.
- 4 Terminal pins' type gives a flexible design as transformers(SEPIC,ZETA circuit) and inductors.
- In addition to the standards versions used as power inductors shown here, custom designs as transformers(SEPIC,ZETA circuit) and inductors are also available.


**◆ Feature**

- Magnetically unshielded construction.
- Ideally used in portable devices such as Mobilephone,DSC/DVC,MP3,PDA, etc as DC-DC Converter inductors, specially suitable for White LED drive.
- RoHS Compliance.

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**

**◆ Schematics(Bottom)**


**Type: CMD6D11B**
**◆ Specification**

| Part No.<br>※    | Stamp | Inductance<br>( $\mu$ H)<br>100kHz/1V | D.C.R.(m $\Omega$ )<br>Max.(Typ.)<br>(at 20°C) | Saturation<br>Current<br>(mA) ※1 | Temperature<br>Rise Current<br>(mA) ※2 |
|------------------|-------|---------------------------------------|------------------------------------------------|----------------------------------|----------------------------------------|
| CMD6D11BNP-4R7M□ | 4R7   | 4.7 $\pm$ 20%                         | 100(80)                                        | 1300                             | 1400                                   |
| CMD6D11BNP-6R8M□ | 6R8   | 6.8 $\pm$ 20%                         | 140(115)                                       | 1050                             | 1050                                   |
| CMD6D11BNP-100M□ | 100   | 10 $\pm$ 20%                          | 200(160)                                       | 850                              | 850                                    |
| CMD6D11BNP-150M□ | 150   | 15 $\pm$ 20%                          | 310(250)                                       | 650                              | 650                                    |
| CMD6D11BNP-220M□ | 220   | 22 $\pm$ 20%                          | 460(370)                                       | 550                              | 520                                    |
| CMD6D11BNP-330M□ | 330   | 33 $\pm$ 20%                          | 670(540)                                       | 450                              | 420                                    |
| CMD6D11BNP-470M□ | 470   | 47 $\pm$ 20%                          | 980(790)                                       | 380                              | 350                                    |
| CMD6D11BNP-680M□ | 680   | 68 $\pm$ 20%                          | 1500(1190)                                     | 310                              | 260                                    |
| CMD6D11BNP-101M□ | 101   | 100 $\pm$ 20%                         | 2400(1880)                                     | 250                              | 210                                    |
| CMD6D11BNP-151M□ | 151   | 150 $\pm$ 20%                         | 3100(2450)                                     | 210                              | 180                                    |

**※ Description of Part Name**

CMD6D11BNP-4R7M□

- B Box
- C Carrier Tape

※1.Saturation current: The DC current at which the inductance decreases to 90% of it's initial value.

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