



Power Transformers <SMD Type: CMD Series>

Type: CMD5D11

◆ **Product Description**

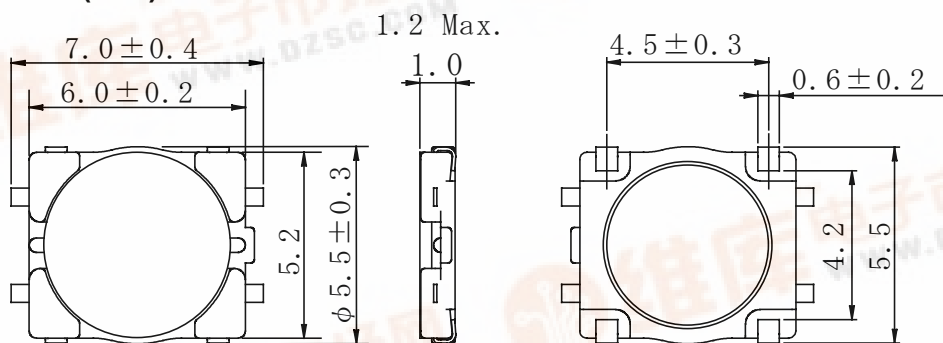
- 7.4 × 5.8mm Max.(L × W), 1.2mm Max. Height.
- Inductance Range: 3.3 ~ 100 μH
- Rated current range: 200 ~ 940mA.
- 4 Terminal pins' type gives a flexible design as inductors or transformers(SEPIC,ZETA circuit).
- In addition to the standards versions used as power inductors shown here, custom designs as transformers(SEPIC,ZETA circuit) and inductors are also available.



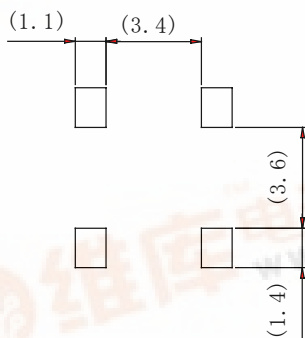
◆ **Feature**

- 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

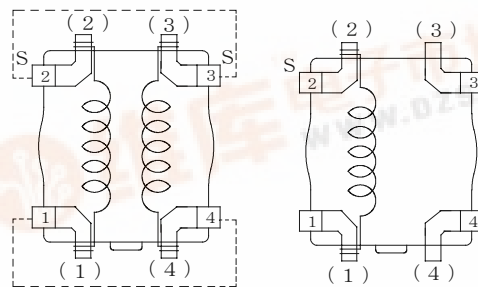
◆ **Dimensions (mm)**



◆ **Land Pattern (mm)**



◆ **Schematics(Bottom)**



(3.3 μH ~ 15 μH)

(22 μH ~ 100 μH)

“S” is winding start.

Terminal Pins(1#) and (4#),(2#) and (3#) are short connected when used as an inductor.

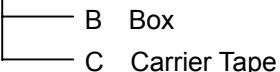


Type: CMD5D11
◆ Specification

| Part No. ※ | Stamp | Inductance (μ H) [Within] 100kHz/1V | D.C.R.(m Ω) Max.(Typ.) (at 20°C) | Saturation Current (mA) (at 20°C)※1 | Temperature Rise current (mA) ※2 |
|-----------------|-------|--|--|---|--|
| CMD5D11NP-3R3M□ | 3R3 | 3.3±20% | 109(87) | 940 | 1160 |
| CMD5D11NP-4R7M□ | 4R7 | 4.7±20% | 156(125) | 800 | 1060 |
| CMD5D11NP-6R8M□ | 6R8 | 6.8±20% | 216(173) | 650 | 900 |
| CMD5D11NP-100M□ | 100 | 10±20% | 275(220) | 540 | 830 |
| CMD5D11NP-150M□ | 150 | 15±20% | 438(350) | 400 | 580 |
| CMD5D11NP-220M□ | 220 | 22±20% | 663(530) | 360 | 540 |
| CMD5D11NP-330M□ | 330 | 33±20% | 975(780) | 320 | 430 |
| CMD5D11NP-470M□ | 470 | 47±20% | 1380(1150) | 260 | 300 |
| CMD5D11NP-680M□ | 680 | 68±20% | 1700(1410) | 230 | 270 |
| CMD5D11NP-101M□ | 101 | 100±20% | 2800(2330) | 200 | 200 |

Terminal Pins(1[#]) and (4[#]),(2[#]) and (3[#]) are short connected when measuring.

※ Description of Part Name

CMD5D11NP-3R3M□


※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 $\Delta t=40^{\circ}\text{C}$.($T_a=20^{\circ}\text{C}$)