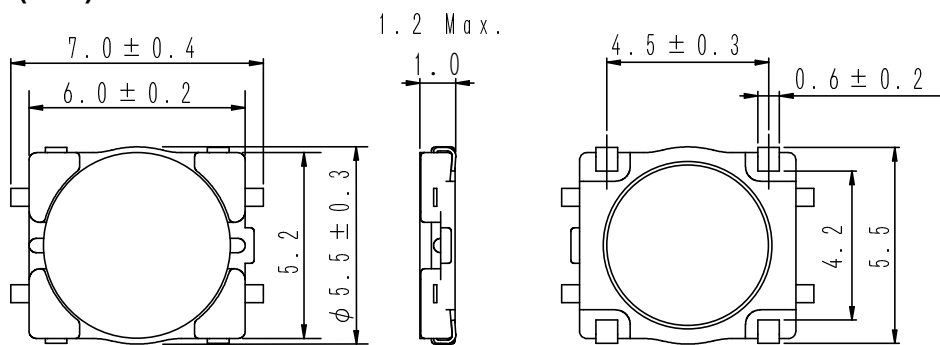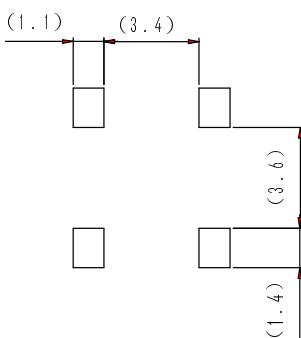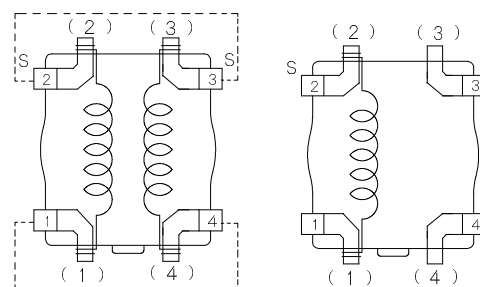# Type: CMD5D11

## ◆ Product Description

· 7.4×5.8mm Max.(L×W), 1.2mm Max. Height.

· Inductance Range: 3.3～100μH

· 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.
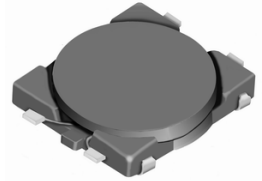
## ◆ Feature

· 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)



(3.3μH～15μH)          (22μH～100μH)

"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 （μH） 100kHz/1V | D.C.R.(mΩ) Max.(Typ.) (at 20℃) | Saturation Current （mA） (at 20℃)※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□

— 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 △t＝40℃.(Ta＝20℃)