

Type: CMD4D13

◆ Product Description

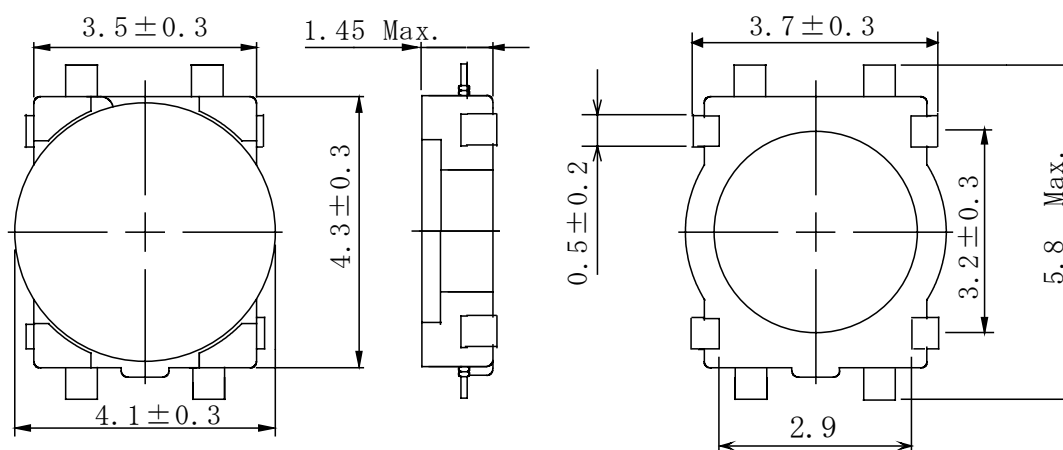
- 5.8×4.4 mm Max.(L×W), 1.45mm Max. Height.
- Inductance Range: $3.3 \sim 150 \mu\text{H}$
- Rated current range: 130~850mA.
- 4 Terminal pins' type gives a flexible design as inductors or transformers(SEPIC,ZETA circuit).
- In addition to the standards versions used as power inductors shown here, custom designs as transformers(SEPIC,ZETA circuit) and inductors are also available.



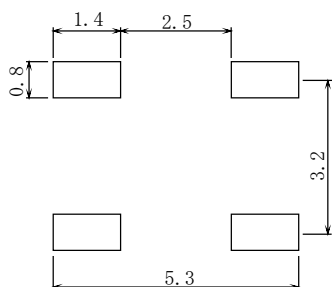
◆ Feature

- 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

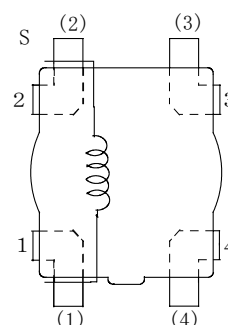
◆ Dimensions (mm)



◆ Land Pattern (mm)



◆ Schematics(Bottom)



"S" is winding start.

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◆ 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
CMD4D13NP-3R3M□	3R3	3.3 $\pm$ 20%	160(123)	1200	850
CMD4D13NP-4R7M□	4R7	4.7 $\pm$ 20%	194(149)	1000	800
CMD4D13NP-6R8M□	6R8	6.8 $\pm$ 20%	276(212)	810	650
CMD4D13NP-100M□	100	10 $\pm$ 20%	335(258)	710	570
CMD4D13NP-150M□	150	15 $\pm$ 20%	508(391)	580	450
CMD4D13NP-220M□	220	22 $\pm$ 20%	766(589)	480	370
CMD4D13NP-330M□	330	33 $\pm$ 20%	1162(894)	370	280
CMD4D13NP-470M□	470	47 $\pm$ 20%	1658(1326)	320	220
CMD4D13NP-680M□	680	68 $\pm$ 20%	2534(2027)	260	180
CMD4D13NP-101M□	101	100 $\pm$ 20%	3304(2643)	210	170
CMD4D13NP-151M□	151	150 $\pm$ 20%	5362(4290)	180	130

※ Description of Part Name

CMD4D13NP-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 $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)