

Type: CLS4D14

◆ Product Description

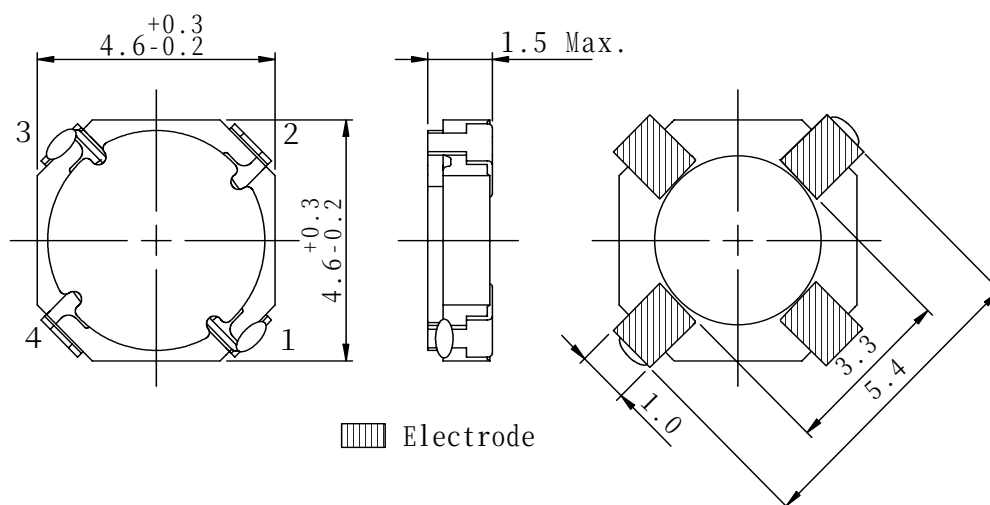
- 4.9×4.9mm Max.(L×W),1.5mm Max. Height.
- 4 Terminal pins' type gives a flexible design as inductors or transformers (SEPIC,ZETA circuit)
- Custom design is available.



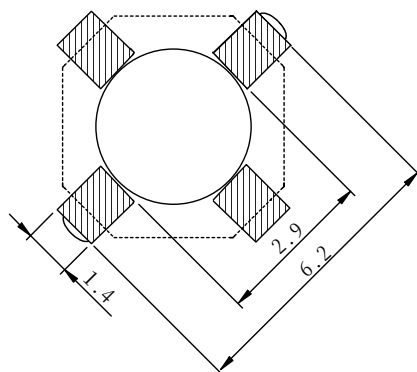
◆ Feature

- Max. Operating frequency 1MHz, Max.
- Ideally used in portable devices such as Mobilephone,DSC/DVC,MP3,PDA, etc as DC-DC Converter inductors, specially suitable for White LED drive.
- It is possible to output high voltage and get sufficient accuracy which is hard to obtain with an ordinary inductor.
- RoHS Compliance

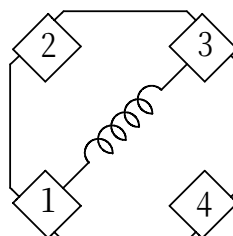
◆ Dimensions (mm)



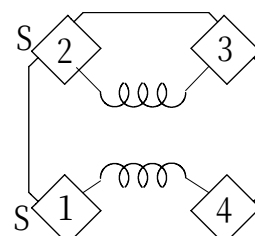
◆ Land Pattern (mm)



◆ Schematics (Bottom)



For Inductor



For 2 in 1 Transformer

Type: CLS4D14

◆ Specification (For Inductor)

Part Name ※	Stamp	Inductance (μ H) [Within] 100kHz	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (mA) (at 20°C)※1	Temperature rise current (mA) ※2
CLS4D14-4R7N□	4R7	4.7 $\pm$ 30%	110(85)	900	1000
CLS4D14-6R8N□	6R8	6.8 $\pm$ 30%	130(100)	800	1000
CLS4D14-100N□	100	10 $\pm$ 30%	180(140)	650	850
CLS4D14-150N□	150	15 $\pm$ 30%	270(210)	550	630
CLS4D14-220N□	220	22 $\pm$ 30%	390(300)	450	520
CLS4D14-330N□	330	33 $\pm$ 30%	560(430)	350	420
CLS4D14-470N□	470	47 $\pm$ 30%	830(640)	300	330

※ Description Of Part Name

CLS4D14NP—4R7N□

B Box
 C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 65% of it's nominal value.

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

◆ Specification (For 2 in 1 Transformer)

Sample No.	Inductance (at 100kHz)	D.C.R.(m Ω) Max. (at 20°C)	Rated current (mA)※
5362-T033	9.0 μ H $\pm$ 30%	400	410

※ Rated current: The DC current at which the inductance decreases to 90 % of it's initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$).