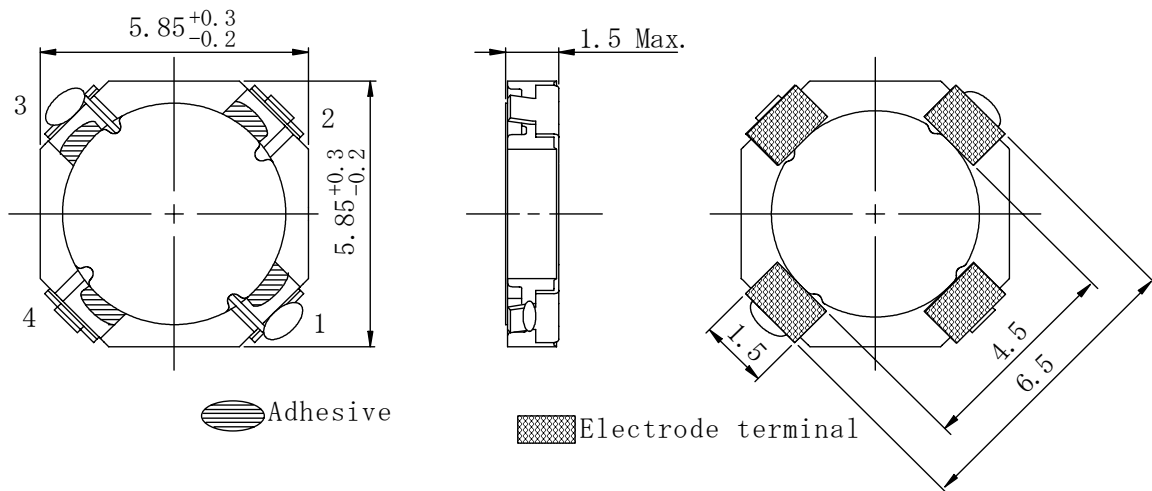
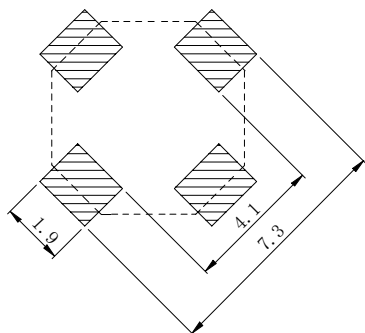


Type: CLS5D14, CLS5D14/HP
◆ Product Description

- 6.15 × 6.15mm Max. (L × W), 1.5mm Max. Height. (CLS5D14, CLS5D14/HP)
- Inductance range: 4.7 ~ 100 μH (CLS5D14), 4.7 ~ 47 μH (CLS5D14/HP)
- Rated current range: 0.27 ~ 1.4A (CLS5D14), 0.3 ~ 1.2A (CLS5D14/HP).
- 4 Terminal pins' type gives a flexible design as inductors or transformers (SEPIC, ZETA circuit).

◆ Feature

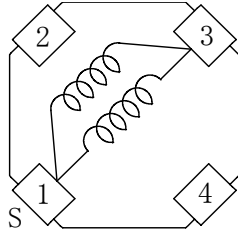
- Magnetically shielded construction.
- Ideally used in portable devices such as Mobilephone, DSC/DVC, MP3, PDA, etc as DC-DC Converter inductors, specially suitable for White LED drive.
- It is possible to output high voltage and get sufficient accuracy which is hard to obtain with an ordinary inductor.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

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CLS5D14, CLS5D14/HP

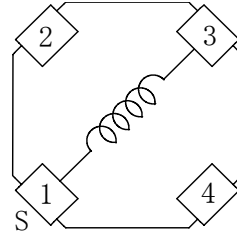
◆ Schematics(Bottom)

CLS5D14



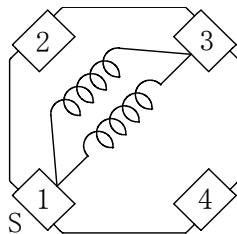
(4.7µH~22µH)

“ S ” is winding start.



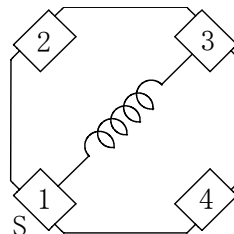
(33µH~100µH)

CLS5D14/HP



(3.3 µ H~15 µ H)

“ S ” is winding start.



(22 µ H~47 µ H)

Type: CLS5D14, CLS5D14/HP
◆ Specification (CLS5D14)

Part Name ※	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
CLS5D14NP-4R7N□	4R7	4.7±30%	77(62)	1400	1450
CLS5D14NP-6R8N□	6R8	6.8±30%	105(83)	1200	1200
CLS5D14NP-100N□	100	10±30%	140(110)	1000	1000
CLS5D14NP-150N□	150	15±30%	200(160)	750	850
CLS5D14NP-220N□	220	22±30%	290(230)	600	650
CLS5D14NP-330N□	330	33±30%	490(390)	500	480
CLS5D14NP-470N□	470	47±30%	680(540)	400	430
CLS5D14NP-680N□	680	68±30%	850(680)	350	350
CLS5D14NP-101N□	101	100±30%	1450(1160)	300	270

◆ Specification (CLS5D14/HP)

Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (mA) (at 20°C)※1	Temperature Rise current (A) ※2
CLS5D14HPNP-4R7N□	4R7	4.7 μ H±30%	110(88)	1900	1200
CLS5D14HPNP-6R8N□	6R8	6.8 μ H±30%	170(135)	1600	900
CLS5D14HPNP-100N□	100	10 μ H±30%	215(180)	1300	800
CLS5D14HPNP-150N□	150	15 μ H±30%	340(270)	1100	600
CLS5D14HPNP-220N□	220	22 μ H±30%	525(420)	900	500
CLS5D14HPNP-330N□	330	33 μ H±30%	760(610)	700	400
CLS5D14HPNP-470N□	470	47 μ H±30%	1170(940)	600	300

※ Description of Part Name

CLS5D14HPNP-4R7N□

- B Box
- C Carrier Tape

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

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