Type: CLS5D11, CLS5D11/HP

◆ Product Description

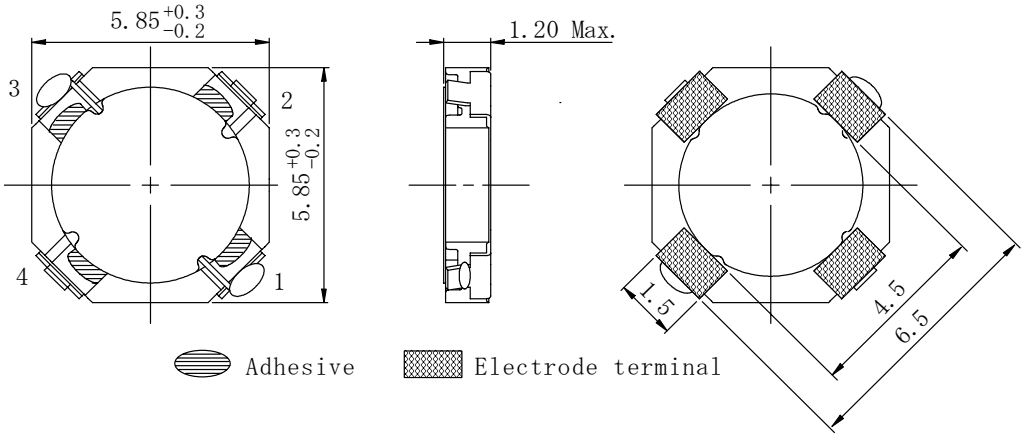
- 6.15×6.15mm Max.(L×W),1.2mm Max. Height(CLS5D11), 1.25mm Max. Height.(CLS5D11/HP)
- Inductance Range: 4.7～47μH(CLS5D11), 2.2～33μH(CLS5D11/HP)
- Rated current range: 0.35～1.1A(CLS5D11), 0.33～1.7A(CLS5D11/HP).
- 4 Terminal pins type gives a flexible design as inductors or transformers(SEPIC,ZETA circuit).

◆ Feature

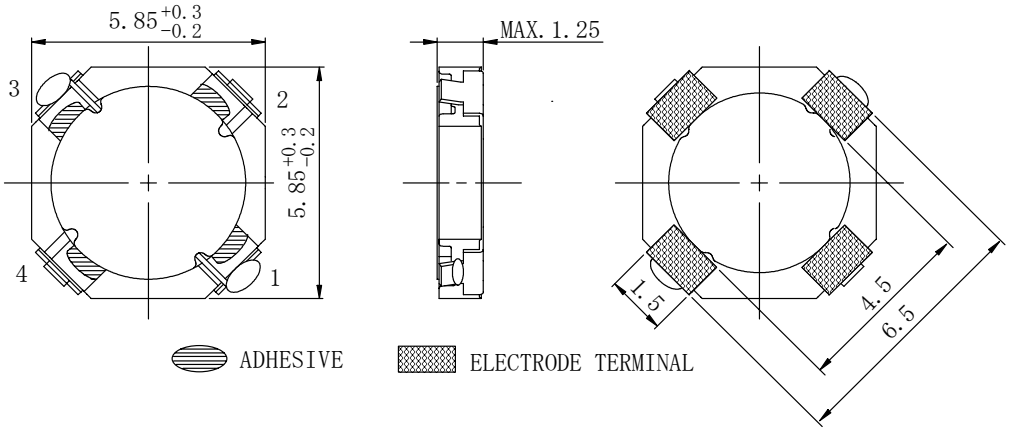
- Magnetically shielded construction.
- Ideally used in portable devices such as Mobilephone,DSC/DVC,MP3,PDA, etc as DC-DC Converter inductors, specially suitable for White LED drive.
- It is possible to output high voltage and get sufficient accuracy which is hard to obtain with an ordinary inductor.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

◆ Dimensions (mm)

CLS5D11

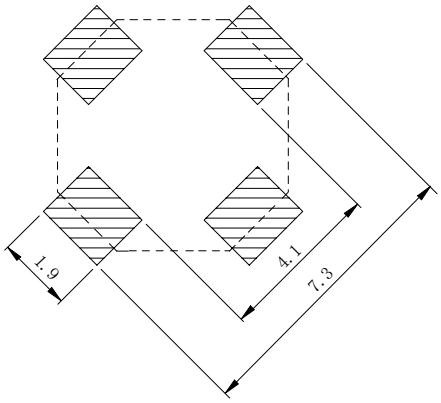


CLS5D11/HP



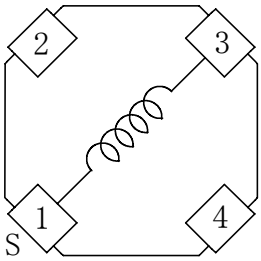
Type: CLS5D11, CLS5D11/HP

◆ Land Pattern (mm)



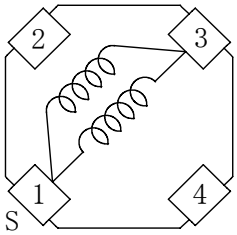
◆ Schematics(Bottom)

CLS5D11

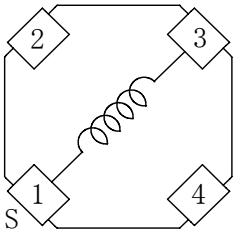


"S" is winding start

CLS5D11/HP



(2.2μH～10μH)



(15μH～33μH)

"S" is winding start.

Type: CLS5D11, CLS5D11/HP

◆ Specification(CLS5D11)

Part Name ※	Stamp	Inductance (μH)［Within］ 100kHz/1V	D.C.R.(mΩ) Max.(Typ.) (at 20℃)	Saturation current (mA) (at 20℃)※1	Temperature rise current (mA) ※2
CLS5D11NP-4R7N□	4R7	4.7±30%	120(95)	1100	1100
CLS5D11NP-6R8N□	6R8	6.8±30%	160(130)	950	900
CLS5D11NP-1ØØN□	100	10±30%	210(170)	830	800
CLS5D11NP-15ØN□	150	15±30%	310(250)	700	650
CLS5D11NP-22ØN□	220	22±30%	450(360)	570	530
CLS5D11NP-33ØN□	330	33±30%	620(500)	450	420
CLS5D11NP-470N□	470	47±30%	930(750)	380	350

◆ Specification(CLS5D11/HP)

Part Name ※	Stamp	Inductance ［Within］ 100kHz/1V	D.C.R.(mΩ) Max.(Typ.) (at 20℃)	Saturation current (mA) (at 20℃)※1	Temperature rise current (mA) ※2
CLS5D11HPNP-2R2N□	2R2	2.2μH±30%	70(55)	2000	1700
CLS5D11HPNP-3RØN□	3R0	3.0μH±30%	80(63)	1900	1550
CLS5D11HPNP-4R7N□	4R7	4.7μH±30%	120(95)	1500	1100
CLS5D11HPNP-6R8N□	6R8	6.8μH±30%	170(135)	1300	950
CLS5D11HPNP-1ØØN□	100	10μH±30%	240(190)	1000	750
CLS5D11HPNP-15ØN□	150	15μH±30%	390(310)	850	600
CLS5D11HPNP-22ØN□	220	22μH±30%	560(450)	650	450
CLS5D11HPNP-33ØN□	330	33μH±30%	920(730)	520	330

※ Description of Part Name

CLS5D11HPNP-2R2N□

- 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 △t=40℃.(Ta=20℃).

Mouser Electronics

Authorized Distributor

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Sumida:
CLS5D11NP-150NC CLS5D11HPNP-330NC CLS5D11NP-220NC CLS5D11HPNP-4R7NC CLS5D11NP-6R8NC CLS5D11HPNP-6R8NC CLS5D11NP-470NC