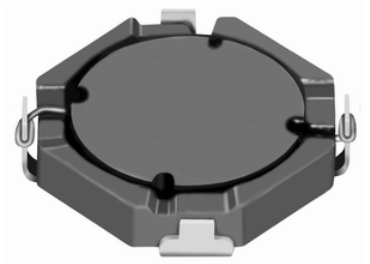
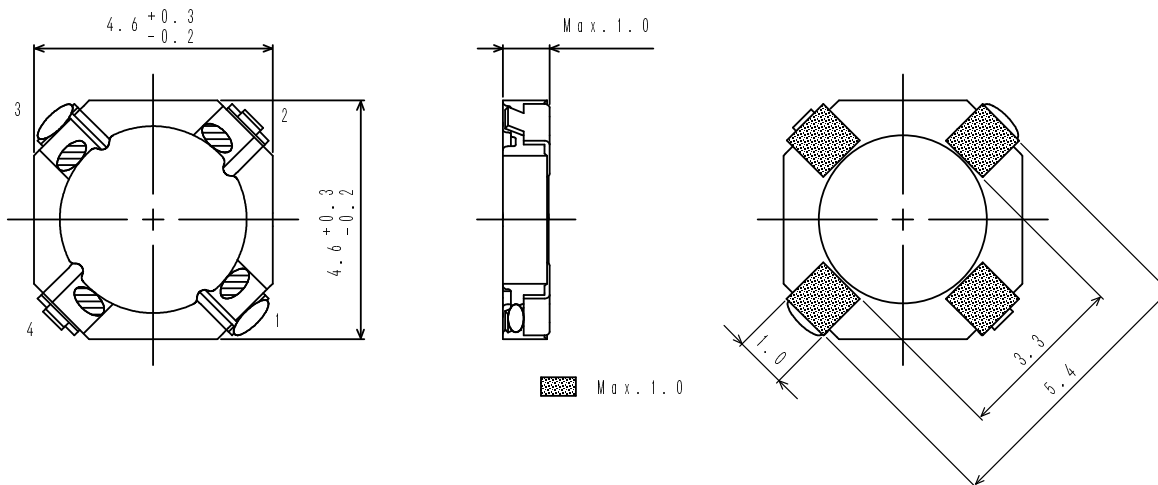
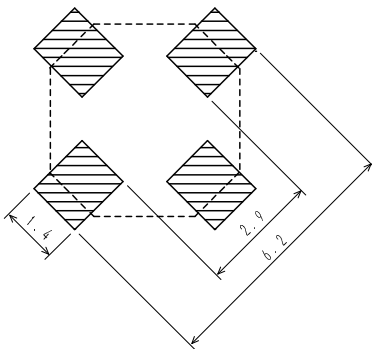
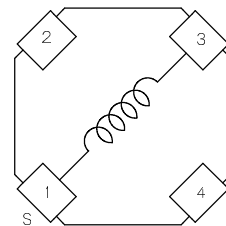


Type: CLS4D09
◆ Product Description

- 4.9×4.9mm Max.(L×W), 1.0mm Max. Height.
- 4 Terminal pins' type gives a flexible design as inductors or transformers (SEPIC,ZETA circuit).
- Custom design is available.


◆ 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.
- RoHS Compliant.

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics(Bottom)


Type: CLS4D09
◆ Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation current (mA) ※1	Temperature Rise Current (mA) ※2
CLS4D09NP-4R7N□	A	4.7 \pm 30%	185(150)	800	750
CLS4D09NP-6R8N□	B	6.8 \pm 30%	260(210)	630	630
CLS4D09NP-100N□	C	10 \pm 30%	370(300)	500	500
CLS4D09NP-150N□	D	15 \pm 30%	580(470)	420	370
CLS4D09NP-220N□	E	22 \pm 30%	910(730)	350	300

※ Description of part name

CLS4D09NP-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 $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$).