

# Type: CLS4D09

### Product Description

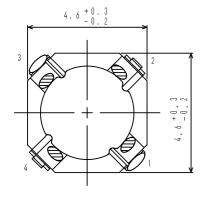
- 4.9×4.9mm Max.(L×W), 1.0mm Max. Height.
- 4 Terminal pins' type gives a flexible design as inductors or transformers (SEPIC,ZETA circuit).
- · Custom design is available.

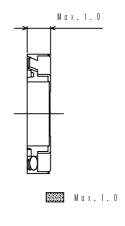


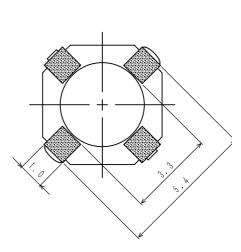
#### ◆ Feature

- · 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.

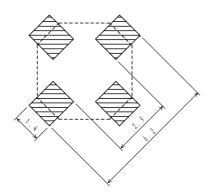
## Dimensions (mm)



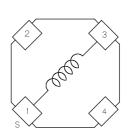




#### **♦** Land Pattern (mm)



## ◆ Schematics(Bottom)



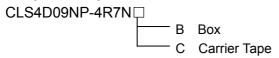


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## Specification

Part Name ※	Stamp	Inductance ( μ H) 100kHz	D.C.R.(m Ω ) Max.(Typ.) (at 20℃)	Saturation current (mA) ¾1	Temperature Rise Current (mA) ※2
CLS4D09NP-4R7N□	Α	4.7±30%	185(150)	800	750
CLS4D09NP-6R8N□	В	6.8±30%	260(210)	630	630
CLS4D09NP-100N□	С	10±30%	370(300)	500	500
CLS4D09NP-150N□	D	15±30%	580(470)	420	370
CLS4D09NP-220N□	Е	22±30%	910(730)	350	300

## **X** Description of part name



- \*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  $\triangle t = 40^{\circ}\text{C}$ .(Ta=20 $^{\circ}\text{C}$ ).