

Type: CLS6D18

Preliminary

◆ Product Description

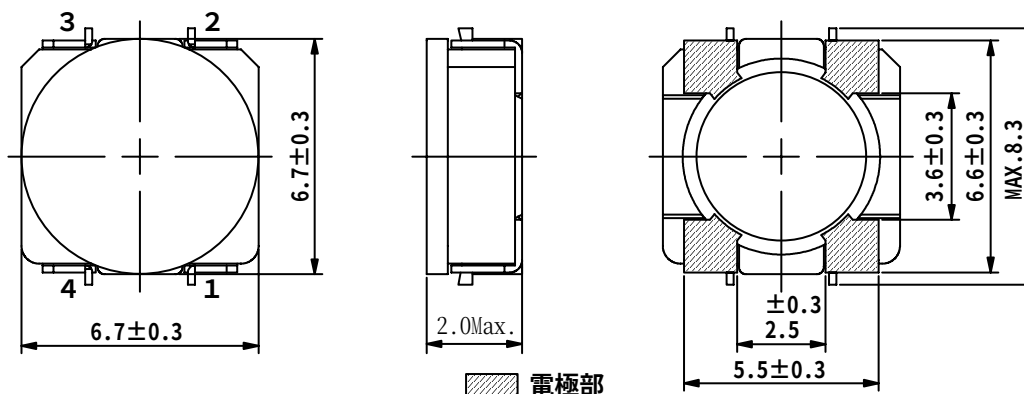
- 7.0×7.0mm Max.(L×W), 2.0mm Max. Height.
- 4 Terminal pins' type gives a flexible design as inductors or transformers (SEPIC,ZETA circuit).
- Custom design is available.



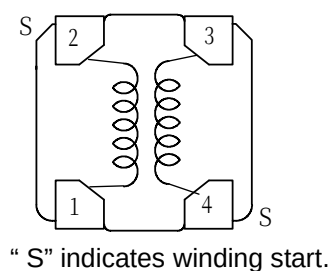
◆ Feature

- Max. Operating frequency 1MHz.
- 2 in 1 Coils for high efficient up-down DC-DC converters (SEPIC, Zeta circuits to be used).
- Can be also used as DC-DC converter inductors.
- Ideally used in the power supply for DSC, Note PC, DVC and W-LED backlighting.
- RoHS Compliance

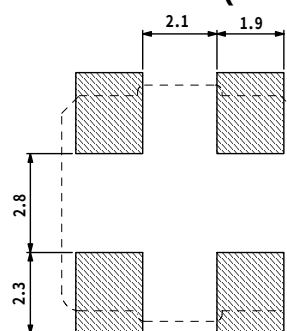
◆ Dimensions (mm)



◆ Schematics (Bottom)



◆ Land Pattern (mm)



◆ Specification

Sample No.	Inductance (1-2)/(3-4) (100kHz/1.0V)	D.C.R. (1-2)	D.C.R. (3-4)	Rated current (1-4) Tie (2-3)
A414-SZK-002	5.0 μ H $\pm$ 30%	83m Ω Max.	83m Ω Max.	1.60 A

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