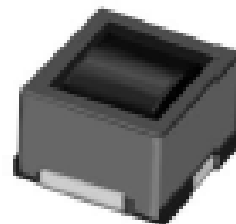
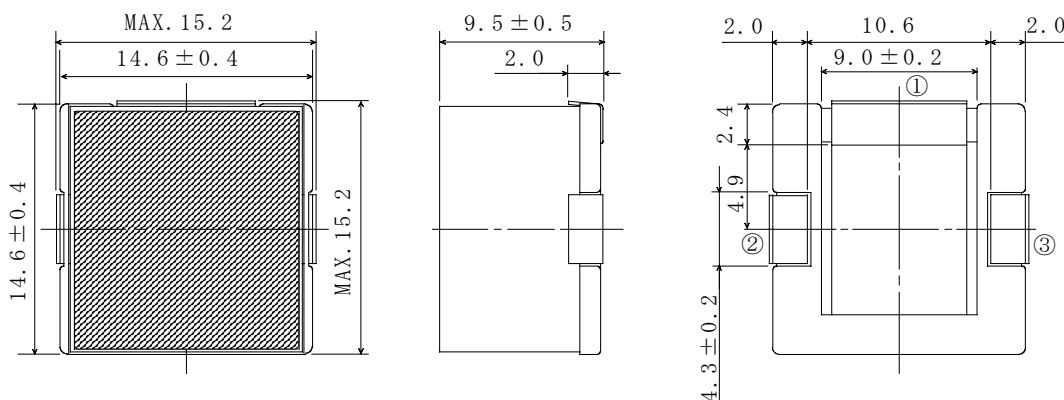
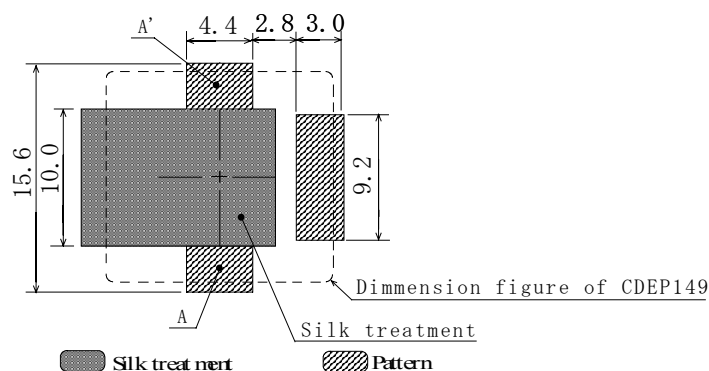
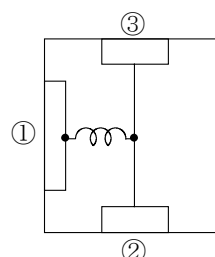


Type: CDEP149
◆ Product Description

- 15.2×15.0mm Max. (L×W), 10.0mm Max. height
- Inductance Range : 0.75~3.0 μ H(Standard type):
0.45~1.8 μ H(High Power type)
- Saturation Current range: 12.4~24.0A(Standard type) ;
20.0~32.0A (High Power type).
- Temperature rise current range: 28.0~35.0A
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ Feature

- Super high current inductors.
- Mn-Zn core used, Flat wire used.
- Ideally used in portable computer CPU power supply.
- RoHS Compliance

◆ Dimensions (mm)

◆ Land Pattern (mm)

◆ Schematics (Bottom)


Type: CDEP149
◆ Specification
1. Standard Type

Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R. (mΩ) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1	Temperature Rise current (A) ※2
CDEP149NP-ØR7N□	0R7N	0.75 μ H $\pm$ 30%	1.1(0.9)	24.0	35.0
CDEP149NP-1R7M□	1R7M	1.7 μ H $\pm$ 20%	1.6(1.3)	16.8	30.0
CDEP149NP-3R0M□	3R0M	3.0 μ H $\pm$ 20%	2.3(1.9)	12.4	28.0

2. High Power Type

Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R.(mΩ) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1	Temperature Rise current (A) ※2
CDEP149NP-ØR4N□-H	0R4N	0.45 μ H $\pm$ 30%	1.1(0.9)	32.0	35.0
CDEP149NP-1R0M□-H	1R0M	1.0 μ H $\pm$ 20%	1.6(1.3)	26.0	30.0
CDEP149NP-1R8M□-H	1R8M	1.8 μ H $\pm$ 20%	2.3(1.9)	20.0	28.0

※ Description of part name

CDEP149NP- ØR7N□-H

— B Box
 — C Carrier Tape

※1 Saturation current: The DC current at which the inductance decreases to 65%
(for the inductance tolerance : $\pm$ 30%) or 75% (for the inductance tolerance: $\pm$ 20%) of it's
nominal.

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