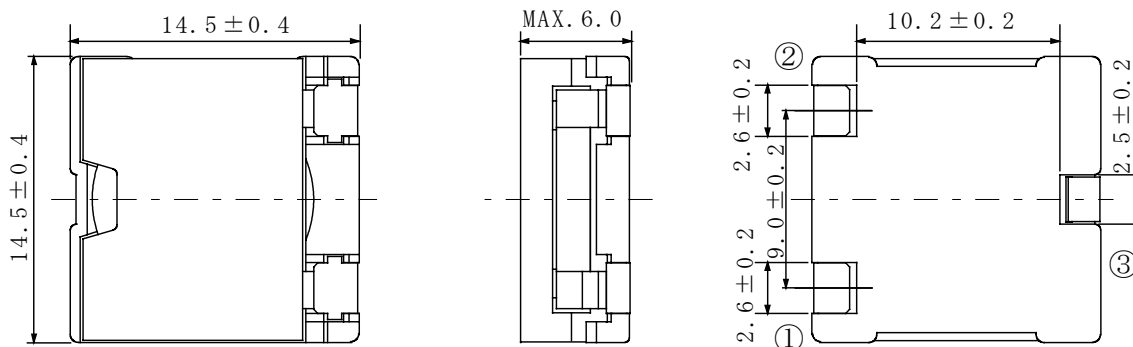
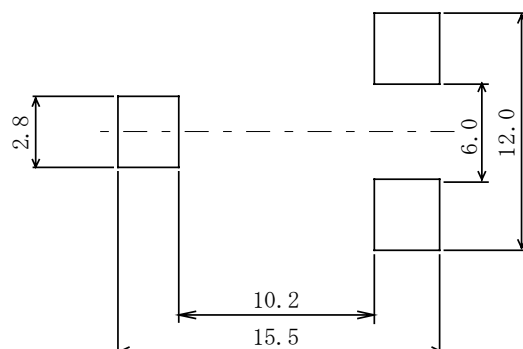
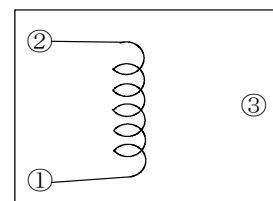


Type: CDEP145
◆ Product Description

- 14.9×14.9mm Max. (L×W), 6.0mm Max. height
- Standard type and High Power Type are available.
- Inductance range : 0.68~6.1 μ H(Standard type) ;
0.56~5.0 μ H (High Power type).
- Saturation Current range: 10.4~30.0A(Standard type) ;13.1~36.0A (High Power type).
- Temperature rise current range: 9.5~23A
- 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: CDEP145
◆ Specification
1. Standard Type

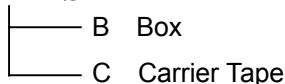
Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R. (mΩ) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1		Temperature Rise current (A) ※2
				(at 20°C)	(at 100°C)	
CDEP145NP-ØR6M□-17Ø	0R6M	0.68 μ H ± 20%	1.7(1.4)	30.0	25.6	23.0
CDEP145NP-1R5M□-17Ø	1R5M	1.5 μ H ± 20%	3.0(2.5)	19.8	17.0	19.5
CDEP145NP-2R7M□-17Ø	2R7M	2.7 μ H ± 20%	4.6(3.8)	15.2	13.0	15.0
CDEP145NP-4R2M□-17Ø	4R2M	4.2 μ H ± 20%	7.4(6.2)	12.3	10.6	12.0
CDEP145NP-6R1M□-17Ø	6R1M	6.1 μ H ± 20%	10.8(9.0)	10.4	8.8	9.5

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
				(at 20°C)	(at 100°C)	
CDEP145NP-ØR5M□-14Ø	0R5M	0.56 μ H ± 20%	1.7(1.4)	36.0	31.2	23.0
CDEP145NP-1R2M□-14Ø	1R2M	1.2 μ H ± 20%	3.0(2.5)	25.0	20.8	19.5
CDEP145NP-2R2M□-14Ø	2R2M	2.2 μ H ± 20%	4.6(3.8)	19.2	16.0	15.0
CDEP145NP-3R5M□-14Ø	3R5M	3.5 μ H ± 20%	7.4(6.2)	15.4	13.0	12.0
CDEP145NP-5R0M□-14Ø	5R0M	5.0 μ H ± 20%	10.8(9.0)	13.1	10.8	9.5

※ Description of part name

CDEP145NP-ØR6M□-17Ø



※1.Saturation Current: The DC current at which the inductance decreases to 75% of it's nominal value

※2 Temperature rise current: The DC current at which the temperature rise is Δt=40°C.(Ta=20°C)