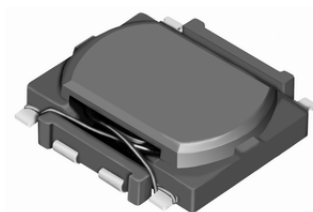


Type: CEI122

◆ Product Description

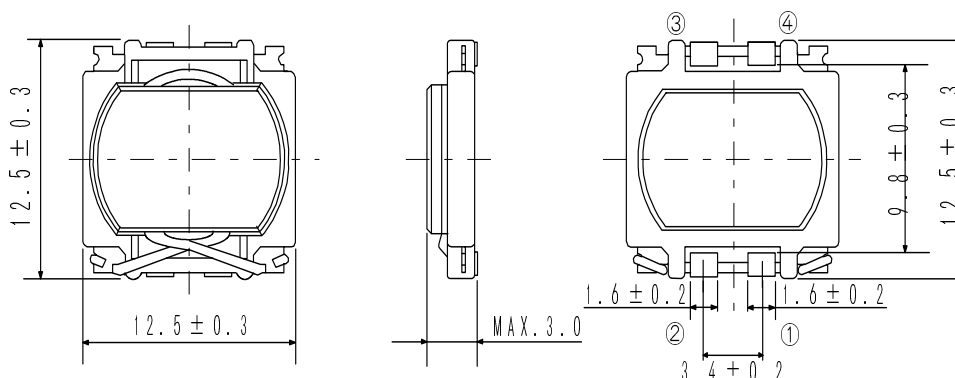
- 12.8×12.8mm Max.(L×W), 3.0mm Max. Height.
- Both standard specification and high power specification are available.
- Inductance range: 1.2~22 μ H(Standard); 0.7~15 μ H(High Power).
- Rated current range: 2.3~6.6A(Standard) ;2.3~6.6A (High Power).
- In addition to the standards versions shown here,
custom inductors are also available to meet your exact requirements.



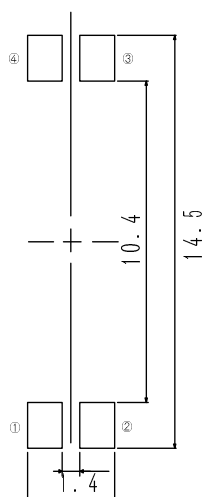
◆ Feature

- Super high current inductors, Low DCR.
- Mn-Zn core used.
- Ideally used in Notebook PC CPU power supply.
- RoHS Compliance and Halogen free.

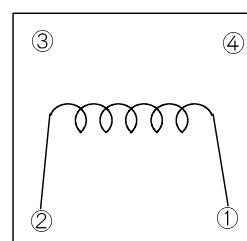
◆ Dimensions (mm)



◆ Land Pattern (mm)



◆ Schematics (Bottom)



Type: CEI122
◆ Specification
1. Standard Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				(at 20°C)	(at 100°C)	
CEI122NP-1R2M□	1R2M	1.2 $\pm$ 20%	10.7(8.9)	10.7	8.6	6.6
CEI122NP-2R1M□	2R1M	2.1 $\pm$ 20%	14.0(11.6)	8.0	6.2	5.8
CEI122NP-3R3M□	3R3M	3.3 $\pm$ 20%	17.8(14.8)	6.2	5.2	5.2
CEI122NP-4R6M□	4R6M	4.6 $\pm$ 20%	21.6(18.0)	5.0	3.9	4.7
CEI122NP-6R4M□	6R4M	6.4 $\pm$ 20%	26.4(22.0)	4.3	3.7	4.2
CEI122NP-8R2M□	8R2M	8.2 $\pm$ 20%	30.0(25.0)	3.8	3.2	4.0
CEI122NP-100M□	100M	10.0 $\pm$ 20%	34.2(28.5)	3.4	2.8	3.8
CEI122NP-130M□	130M	13.0 $\pm$ 20%	38.4(32.0)	2.9	2.5	3.5
CEI122NP-150M□	150M	15.0 $\pm$ 20%	67.5(56.2)	2.7	2.4	2.5
CEI122NP-190M□	190M	19.0 $\pm$ 20%	74.5(62.0)	2.5	2.1	2.4
CEI122NP-220M□	220M	22.0 $\pm$ 20%	85.0(71.0)	2.3	2.0	2.3

2. High Power Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				(at 20°C)	(at 100°C)	
CEI122NP-0R7M□-H	0R7MH	0.7 $\pm$ 20%	10.7(8.9)	17.0	13.5	6.6
CEI122NP-1R2M□-H	1R2MH	1.2 $\pm$ 20%	14.0(11.6)	12.8	10.4	5.8
CEI122NP-2R0M□-H	2R0MH	2.0 $\pm$ 20%	17.8(14.8)	10.2	8.2	5.2
CEI122NP-3R0M□-H	3R0MH	3.0 $\pm$ 20%	21.6(18.0)	8.2	6.6	4.7
CEI122NP-4R2M□-H	4R2MH	4.2 $\pm$ 20%	26.4(22.0)	6.9	5.6	4.2
CEI122NP-5R6M□-H	5R6MH	5.6 $\pm$ 20%	30.0(25.0)	5.8	4.8	4.0
CEI122NP-7R0M□-H	7R0MH	7.0 $\pm$ 20%	34.2(28.5)	5.2	4.2	3.8
CEI122NP-8R6M□-H	8R6MH	8.6 $\pm$ 20%	38.4(32.0)	4.6	3.9	3.5
CEI122NP-100M□-H	100MH	10.0 $\pm$ 20%	67.5(56.2)	4.3	3.6	2.5
CEI122NP-120M□-H	120MH	12.0 $\pm$ 20%	74.5(62.0)	4.0	3.4	2.4
CEI122NP-150M□-H	150MH	15.0 $\pm$ 20%	85.0(71.0)	3.6	3.2	2.3

Type: CEI122**※ Description of part name**

CEI122NP-1R2M□-H

—	B	Box
—	C	Carrier Tape

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