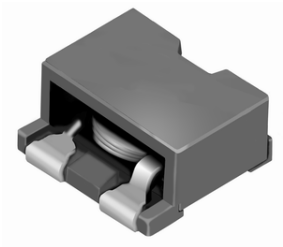
Type: CEP125

◆ Product Description

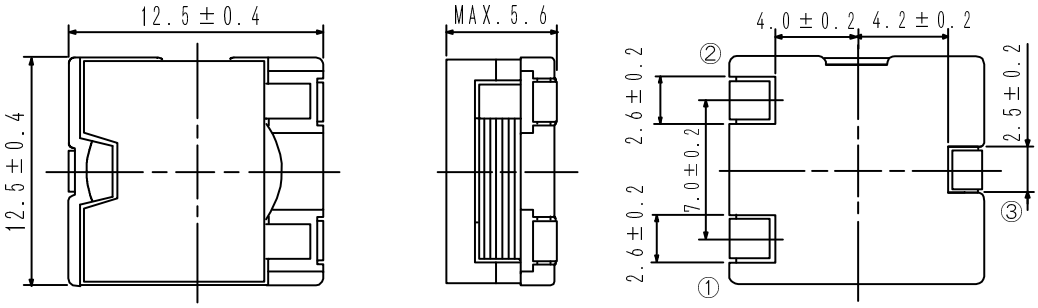


・12.9×12.9mm Max. (L×W), 5.6mm Max. height
・Standard Type, High Power Type, Ultra Power Type are available.
・Inductance range : 0.68～10μH(Standard type);
0.47～7.2μH(High Power type); 0.35～5.6μH (Ultra Power Type).
・Saturation current range: 5.0～20.4A(Standard type) ;
7.8～28.8A (High Power type); 9.5～35.0A (Ultra Power Type).
・Temperature rise current range 7.6～19.5A.
・Custom design is available.

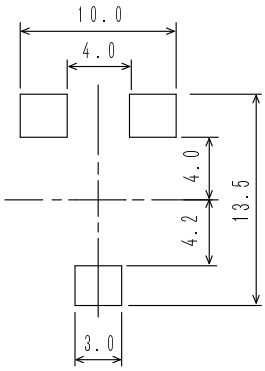
◆ Feature

・Mn-Zn core used, Flat wire used.
・Super high current Inductors, ideally used in portable computer CPU power supply.
・RoHS Compliance and Halogen free.

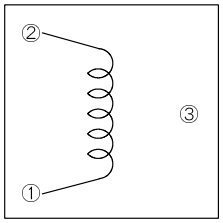
◆ Dimensions (mm)



◆ Land Pattern (mm)



◆ Schematics (Bottom)



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Type: CEP125

◆ Specification

1. Standard Type

Part Name ※	Stamp	Inductance (μH) 100kHz	D.C.R.(mΩ) Max.(Typ.) (20℃)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				(20℃)	(100℃)	
CEP125NP-0R6N□-D	0R6ND	0.68±30%	1.5(1.2)	20.4	17.6	19.5
CEP125NP-1R5M□-D	1R5MD	1.50±20%	2.2(1.8)	14.0	11.8	18.0
CEP125NP-2R5M□	2R5M	2.5±20%	3.4(2.8)	10.0	8.8	15.5
CEP125NP-4R0M□	4R0M	4.0±20%	5.4(4.5)	8.3	7.2	12.5
CEP125NP-6R0M□	6R0M	6.0±20%	8.0(6.6)	6.7	5.8	9.9
CEP125NP-8R2M□	8R2M	8.2±20%	11.4(9.5)	5.8	5.1	8.2
CEP125NP-100M□	100M	10±20%	13.5(11.2)	5.0	4.6	7.6

2. High Power Type

Part Name ※	Stamp	Inductance (μH) 100kHz	D.C.R. (mΩ) Max.(Typ.) (20℃)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				(20℃)	(100℃)	
CEP125NP-0R4N□-HD	0R4ND	0.47±30%	1.5(1.2)	28.8	25.6	19.5
CEP125NP-1R0M□-HD	1R0MD	1.0±20%	2.2(1.8)	20.0	17.4	18.0
CEP125NP-1R8M□-H	1R8MH	1.8±20%	3.4(2.8)	15.3	12.9	15.5
CEP125NP-2R8M□-H	2R8MH	2.8±20%	5.4(4.5)	12.3	10.2	12.5
CEP125NP-4R0M□-H	4R0MH	4.0±20%	8.0(6.6)	10.3	8.6	9.9
CEP125NP-5R6M□-H	5R6MH	5.6±20%	11.4(9.5)	8.8	7.7	8.2
CEP125NP-7R2M□-H	7R2MH	7.2±20%	13.5(11.2)	7.8	6.6	7.6

3. Ultra Power Type

Part Name ※	Stamp	Inductance (μH) 100kHz	D.C.R.(mΩ) Max.(Typ.) (at 20℃)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				at 20℃	at 100℃	
CEP125NP-0R3N□-UD	0R3ND	0.35±30%	1.5(1.2)	35.0	32.0	19.5
CEP125NP-0R8N□-UD	0R8ND	0.8±30%	2.2(1.8)	25.7	21.8	18.0
CEP125NP-1R4M□-U	1R4MU	1.4±20%	3.4(2.8)	19.2	16.4	15.5
CEP125NP-2R2M□-U	2R2MU	2.2±20%	5.4(4.5)	14.8	12.8	12.5
CEP125NP-3R2M□-U	3R2MU	3.2±20%	8.0(6.6)	12.8	10.9	9.9
CEP125NP-4R3M□-U	4R3MU	4.3±20%	11.4(9.5)	11.0	9.1	8.2
CEP125NP-5R6M□-U	5R6MU	5.6±20%	13.5(11.2)	9.5	7.8	7.6

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Type: CEP125

※ Description of part name

CEP125NP- 0R6N□-D/UD

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 65% (for the inductance tolerance :±30%) or 75% (for the inductance tolerance:±20%) of its nominal.

※2. Temperature rise current:The DC current at which the temperature rise is △t＝40℃(Ta＝20℃).

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