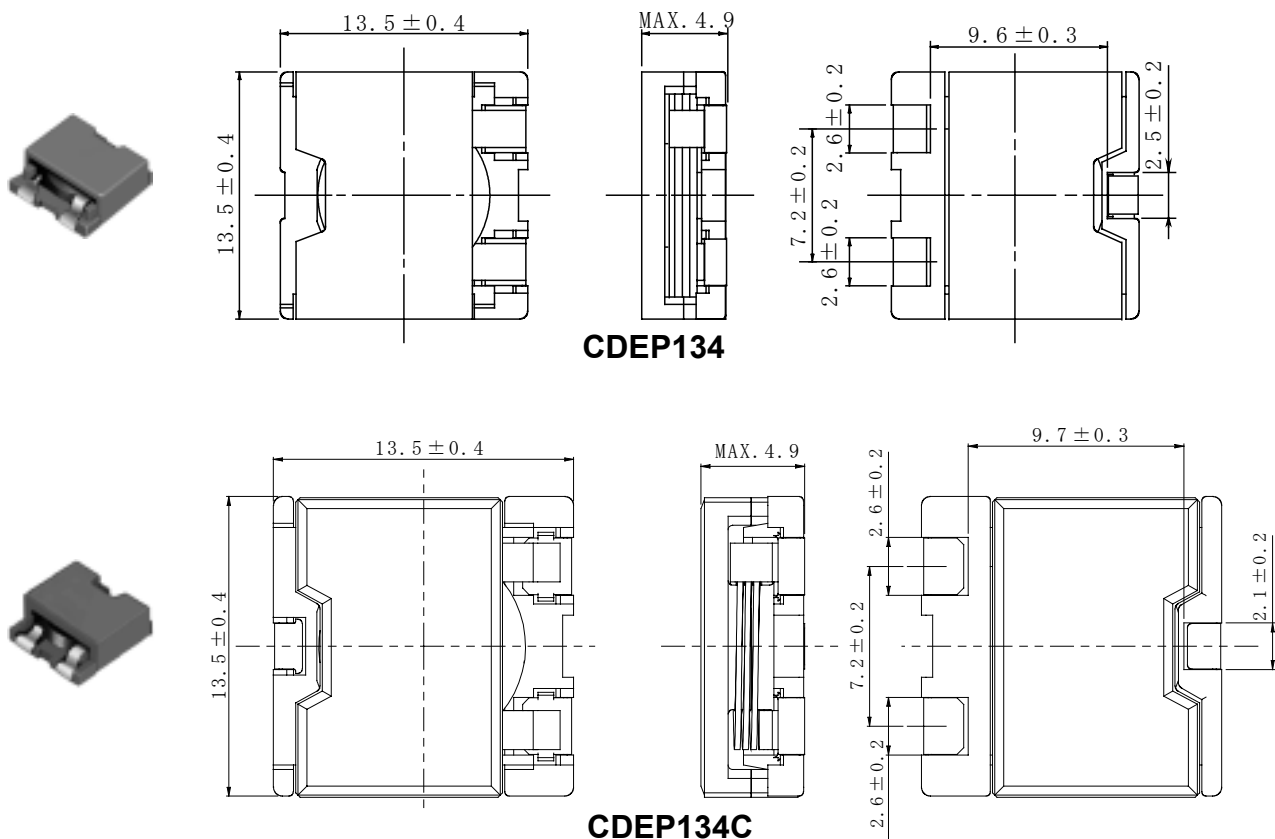


**Type: CDEP134, CDEP134C**
**◆ Product Description**

- 13.9×13.9mm Max.(L×W),4.9mm Max. Height.
- Both standard type and High power type of CDEP134 and CDEP134C respectively are available.
- Inductance range: 0.3~8.0 μ H for 2 types
- Saturation Current range: 7.2~32.0A(Standard type ) ;9.6~35.0A (High Power type).
- Temperature rise current range: 6.5~18.5A
- 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, Flat wire used.
- Ideally used in Notebook PC CPU power supply.
- RoHS Compliance

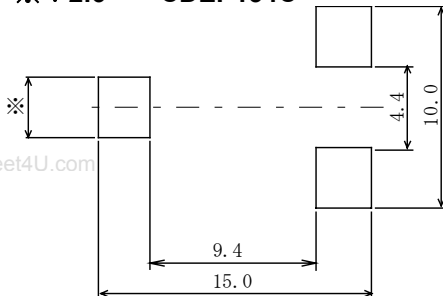
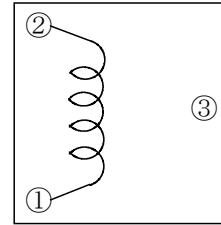
**◆ Dimensions (mm)**


Please refer to the sales offices on our website for a representative near you

[www.sumida.com](http://www.sumida.com)

**Type: CDEP134, CDEP134C**
**◆ Land Pattern (mm)**

- ※ : 2.3 — CDEP134
- ※ : 2.6 — CDEP134C


**◆ Schematics (Bottom)  
(For 2 types)**

**◆ Specification (CDEP134)**
**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)	
CDEP134NP-ØR4N□	0R4N	0.4 μH ± 30%	1.9(1.6)	32.0	27.0	18.5
CDEP134NP-ØR9M□	0R9M	0.9 μH ± 20%	2.5(2.1)	21.6	18.4	17.0
CDEP134NP-1R6M□	1R6M	1.6 μH ± 20%	3.7(3.1)	16.0	13.8	15.0
CDEP134NP-2R5M□	2R5M	2.5 μH ± 20%	6.6(5.5)	12.8	11.0	10.5
CDEP134NP-3R6M□	3R6M	3.6 μH ± 20%	10.8(9.0)	10.9	9.1	8.0
CDEP134NP-4R8M□	4R8M	4.8 μH ± 20%	12.0(10.0)	9.3	8.0	7.5
CDEP134NP-6R4M□	6R4M	6.4 μH ± 20%	16.3(13.6)	8.0	6.8	7.0
CDEP134NP-8RØM□	8R0M	8.0 μH ± 20%	18.4(15.3)	7.2	6.1	6.5

**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)	
CDEP134NP-ØR3N□-H	0R3NH	0.30 μH ± 30%	1.9(1.6)	35.0	32.0	18.5
CDEP134NP-ØR6N□-H	0R6NH	0.66 μH ± 30%	2.5(2.1)	29.0	24.0	17.0
CDEP134NP-1R2M□-H	1R2MH	1.2 μH ± 20%	3.7(3.1)	21.0	17.6	15.0
CDEP134NP-1R8M□-H	1R8MH	1.8 μH ± 20%	6.6(5.5)	17.6	14.4	10.5
CDEP134NP-2R7M□-H	2R7MH	2.7 μH ± 20%	10.8(9.0)	14.7	12.0	8.0
CDEP134NP-3R6M□-H	3R6MH	3.6 μH ± 20%	12.0(10.0)	12.5	10.2	7.5
CDEP134NP-4R8M□-H	4R8MH	4.8 μH ± 20%	16.3(13.6)	11.0	9.0	7.0
CDEP134NP-6RØM□-H	6R0MH	6.0 μH ± 20%	18.4(15.3)	9.6	8.0	6.5

Please refer to the sales offices on our website for a representative near you

**Type: CDEP134, CDEP134C**
**◆ Specification(CDEP134C)**
**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)	(at100°C)	
CDEP134CNP-ØR4N□-1ØØ	0R4N	0.40 μ H±30%	1.9(1.6)	32.0	27.0	18.5
CDEP134CNP-ØR9M□-1ØØ	0R9M	0.9 μ H±20%	2.5(2.1)	21.6	18.4	17.0
CDEP134CNP-1R6M□-1ØØ	1R6M	1.6 μ H±20%	3.7(3.1)	16.0	13.8	15.0
CDEP134CNP-2R5M□-1ØØ	2R5M	2.5 μ H±20%	6.6(5.5)	12.8	11.0	10.5
CDEP134CNP-3R6M□-1ØØ	3R6M	3.6 μ H±20%	10.8(9.0)	10.9	9.1	8.0
CDEP134CNP-4R8M□-1ØØ	4R8M	4.8 μ H±20%	12.0(10.0)	9.3	8.0	7.5
CDEP134CNP-6R4M□-1ØØ	6R4M	6.4 μ H±20%	16.3(13.6)	8.0	6.8	7.0
CDEP134CNP-8RØM□-1ØØ	8RØM	8.0 μ H±20%	18.4(15.3)	7.2	6.1	6.5

**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)	(at100°C)	
CDEP134CNP-ØR3N□-75	0R3NH	0.30 μ H±30%	1.9(1.6)	35.0	32.0	18.5
CDEP134CNP-ØR6N□-75	0R6NH	0.66 μ H±30%	2.5(2.1)	29.6	24.0	17.0
CDEP134CNP-1R2M□-75	1R2MH	1.2 μ H±20%	3.7(3.1)	21.0	17.6	15.0
CDEP134CNP-1R8M□-75	1R8MH	1.8 μ H±20%	6.6(5.5)	17.6	14.4	10.5
CDEP134CNP-2R7M□-75	2R7MH	2.7 μ H±20%	10.8(9.0)	14.7	12.0	8.0
CDEP134CNP-3R6M□-75	3R6MH	3.6 μ H±20%	12.0(10.0)	12.5	10.2	7.5
CDEP134CNP-4R8M□-75	4R8MH	4.8 μ H±20%	16.3(13.6)	11.0	9.0	7.0
CDEP134CNP-6RØM□-75	6RØMH	6.0 μ H±20%	18.4(15.3)	9.6	8.0	6.5

**※ Description of part name**

CDEP134CNP-ØR3N□-75

- 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 it's nominal.

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