

## **Type: CDEP125ME**

## **◆** Product Description

•12.9×12.9mm Max. (L×W), 5.5mm Max. height

•Inductance range:  $0.3\sim2.9\,\mu$  H

Rated Current Range: 11.5~21A

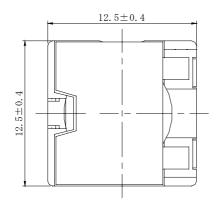
•In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

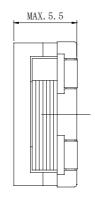


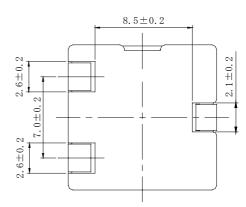
#### **♦** Feature

- •Super high current inductors.
- •Iron powder core used, Flat wire used.
- · Ideally used in portable computer CPU power supply.
- •RoHS Compliance

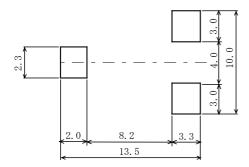
## ◆ Dimensions (mm)



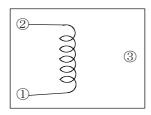




#### ◆ Land Pattern (mm)



## ◆ Schematics (Bottom)





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## Specification

Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R. (m Ω ) Max.(Typ.) (at 20℃)	Saturation Current (A) ※1	Temperature Rise current (A) ※2
CDEP125MENP-ØR3N□	0R3N	0.3 μ H±25%	1.2(1.0)	40.0	21.0
CDEP125MENP-ØR7N□	0R7N	0.7 μ H±25%	2.0(1.7)	32.0	20.0
CDEP125MENP-1R2N□	1R2N	1.2 μ H±25%	3.1(2.6)	25.6	17.5
CDEP125MENP-2RØN□	2R0N	2.0 μ H±25%	4.9(4.1)	20.4	13.5
CDEP125MENP-2R9N□	2R9N	2.9 μ H±25%	7.5(6.3)	16.0	11.5

## **X** Description of part name



- %1. Saturation current: The DC current at which the inductance decreases to 80% of it's initial value. (Ta=20°C)
- $\times$ 2 Temperature rise current:The DC current at which the temperature rise is  $\triangle t = 40^{\circ}\text{C}$ .(Ta=20°C)