

Type: CDEI10D38

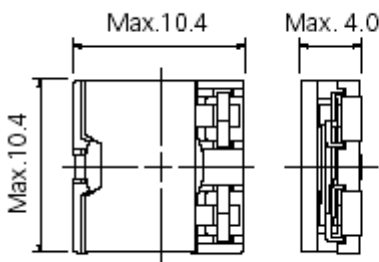
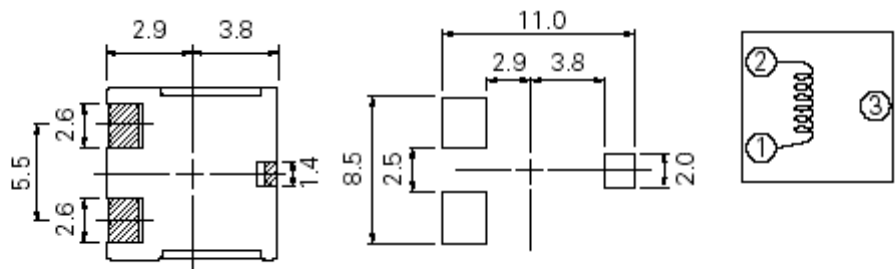
UNDER DEVELOPMENT

◆ Product Description

- 10.4×10.4mm Max.(L×W), 4.0mm Max. Height.
- Inductance range: 1.2~3.6 μ H.
- Rated current range: 4.4~9.7A
- In addition to the reference versions of parameters shown here, custom designs are available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- Super high current, Mn-Zn core used, Flat wire used.
- Ideally used in portable computer CPU power supply.
- RoHS Compliance

◆ Dimensions (mm)

◆ Land Pattern (mm) and Schematics

◆ Specification

Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R.(mΩ) Max.(Typ.) (at 20°C)	Saturation Current (A) Max.(Typ.) ※1		Temperature Rise current (A) ※2
				(at 20°C)	(at 105°C)	
CDEI10D38NP-1R2P□	1R2N	1.2 μ H ± 25%	5.9(4.7)	13.5	11.0	9.7
CDEI10D38NP-1R8P□	1R8N	1.8 μ H ± 25%	12.8(10.2)	11.0	8.9	6.2
CDEI10D38NP-2R7P□	2R7N	2.7 μ H ± 25%	19.7(15.8)	9.3	7.4	4.7
CDEI10D38NP-3R6P□	3R6N	3.6 μ H ± 25%	22.5(18.0)	7.9	6.5	4.4

※ Description of part name

CDEI10D38NP-1R2P□

- B Box
- C Carrier Tape

※1.Saturation Current: The DC current at which the inductance decreases to 65% of it's nominal value.

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

This datasheet is a final issue, and maybe something will be changed before production.