

SMD Power Inductor CDEP126



Description

- Ferrite core construction.
- Magnetically shielded.
- L × W × H: 13.0 × 13.0 × 6.2 mm Max.
- Product weight: 3.09 g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C~+125°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+125°C
- Solder reflow temperature: 260 °C peak.

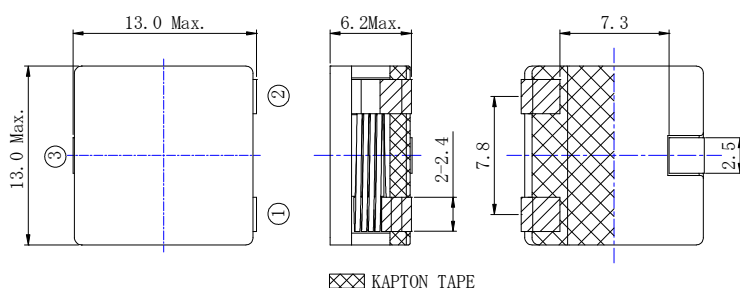
Packaging

- Carrier tape and reel packaging
- 13.0" diameter reel
- 500pcs per reel

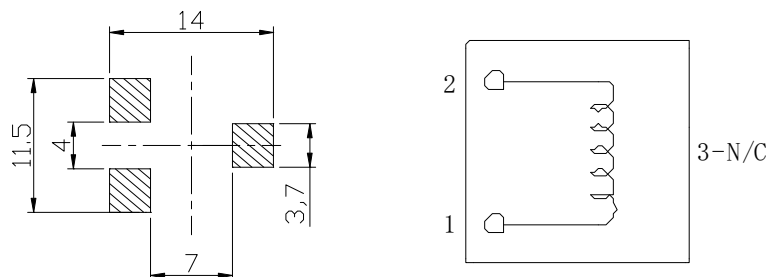
Applications

- Ideally used in personal computer CPU power supply.

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part Number	Stamp	Inductance (μ H) [within] ※1	DCR (m Ω) Max. (Typ.)	D.C Saturation Current (A) ※2	Temperature Rise Current (A) ※3
CDEP126NP-1R0MC-AL138	1R0	1.0 μ H $\pm$ 20%	1.30(1.04)	32.0	28.0
CDEP126NP-2R2MC-AL102	2R2	2.2 μ H $\pm$ 20%	3.64 (2.91)	25.0	16.9

※1. Measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 80% of it's nominal value.

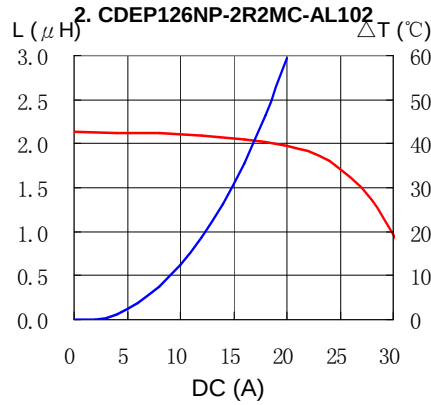
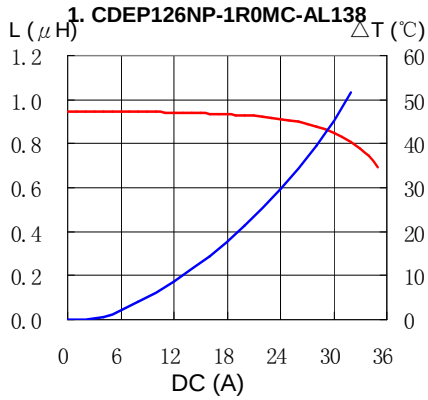
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$).

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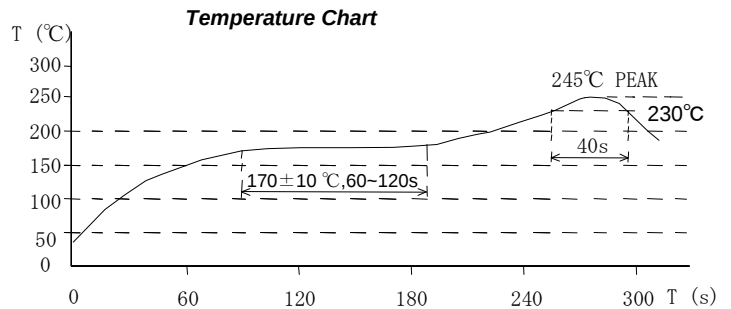
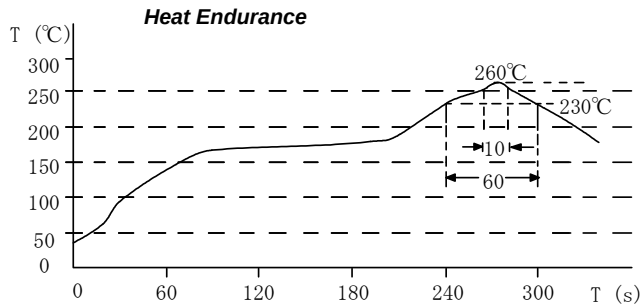


Saturation Current & Temperature Rise Graph

— L (20°C) — ΔT



Solder Reflow Condition



Please refer to the sales offices on our website - <http://www.sumida.com>

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