

SMD Power Inductor CEPH149



Description

- Ferrite core construction.
- Magnetically shielded.
- L × W × H: 15.0 × 15.0 × 10.0 mm Max.
- Product weight: 7.3g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C~+100°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+100°C
- Solder reflow temperature: 260 °C peak.

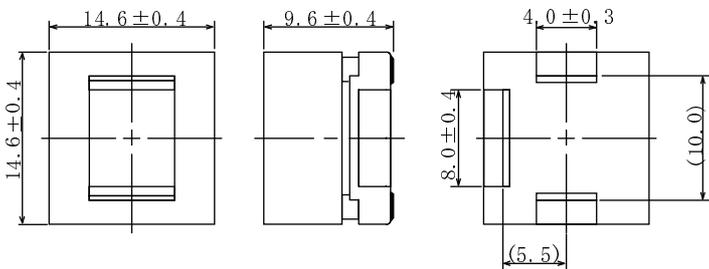
Packaging

- Pallet packaging

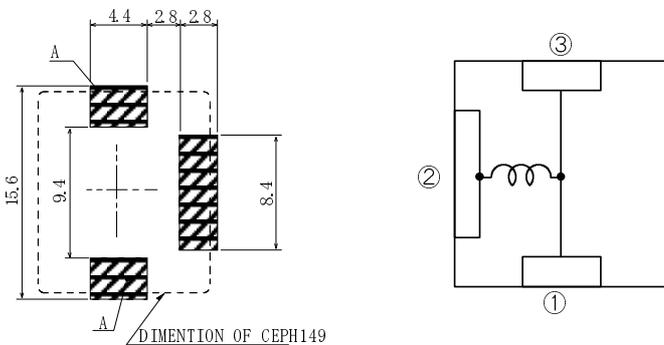
Applications

- Ideally used in portable computer CPU server power supply.

Dimension - [mm]



Land pattern and Schematics - [mm]



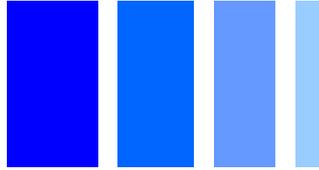
Electrical Characteristics

PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R.(mΩ) [MAX.] (Typ.) (at 20°C)	RATED CURRENT (A) ※2
CEPH149NP-1R0MC	1R0M	1.0 μH ± 20%	1.2(0.99)	20.0
CEPH149NP-1R6MC	1R6M	1.6 μH ± 20%	1.5(1.24)	15.5
CEPH149NP-2R4MC	2R4M	2.4 μH ± 20%	1.5(1.24)	10.0

※1. Measuring condition: at 100 kHz.

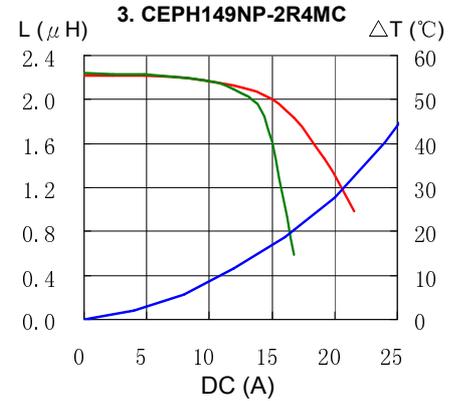
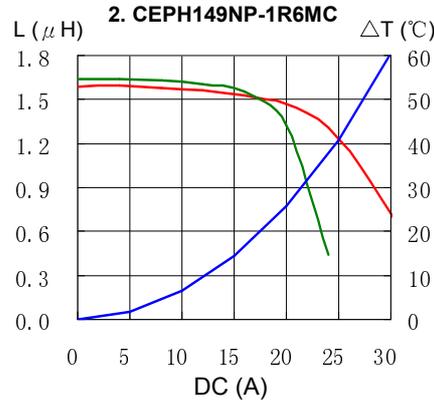
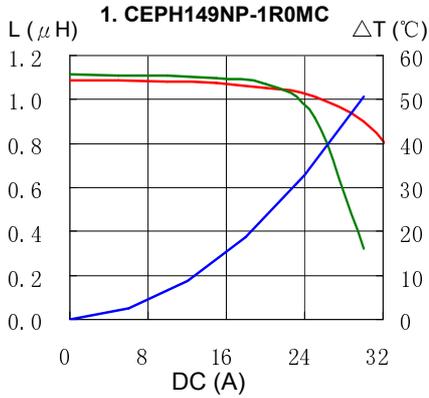
※2. Rated current: The DC current at which the inductance decreases to 90% of its nominal value or when Δt=40°C, whichever is lower.

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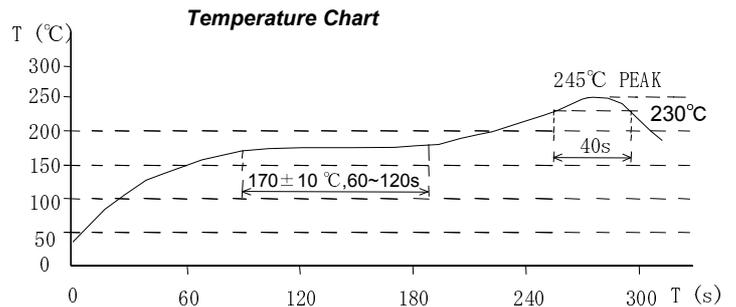
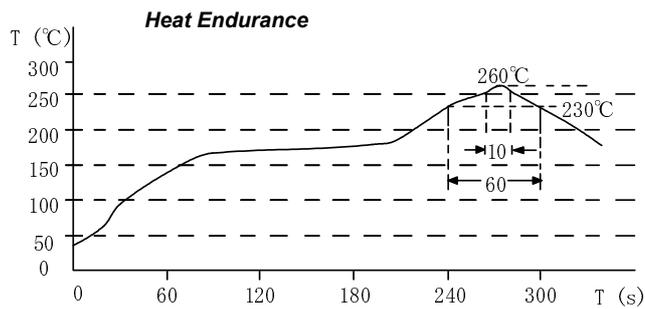


Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT



Solder Reflow Condition



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

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