

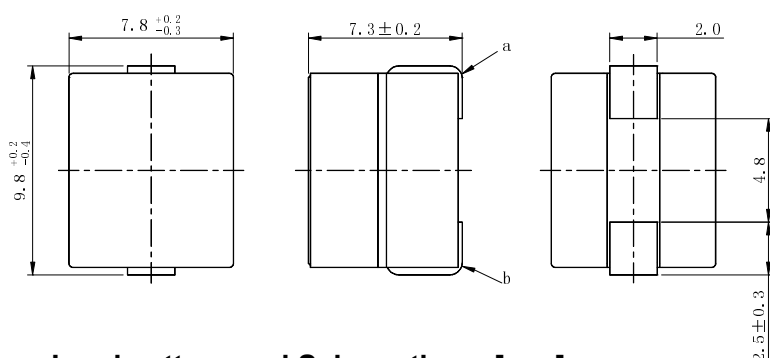
SMD Power Inductor CDB78D73



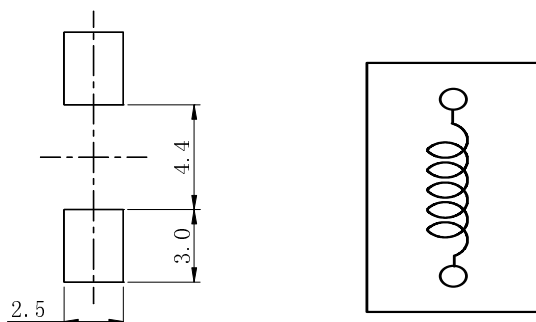
Description

- Ferrite core construction.
- Magnetically shielded.
- L × W × H: 10.0 × 8.0 × 7.5 mm Max.
- Product weight: 11.4g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Dimension - [mm]



Land pattern and Schematics - [mm]



Environmental Data

- Operating temperature range: -40°C ~ +105°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +105°C
- Solder reflow temperature: 260 °C peak.

Packaging

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

Applications

- Ideally used in the multiple chopper type DC-DC converters for servers and various decentralized power supplier.

Electrical Characteristics

Part No.	Stamp	Inductance (μ H) [Within] ※1	D.C.R. (m Ω) [Max.] (Typ.) (at 20°C)	Saturation current (A) ※2 (at 20°C)	Temperature rise current (A) ※3
CDB78D73NP-R15MC	R15	0.15 ± 20%	0.33(0.29)	55.0	50.0

※1. Inductance measuring condition: at 1MHz.

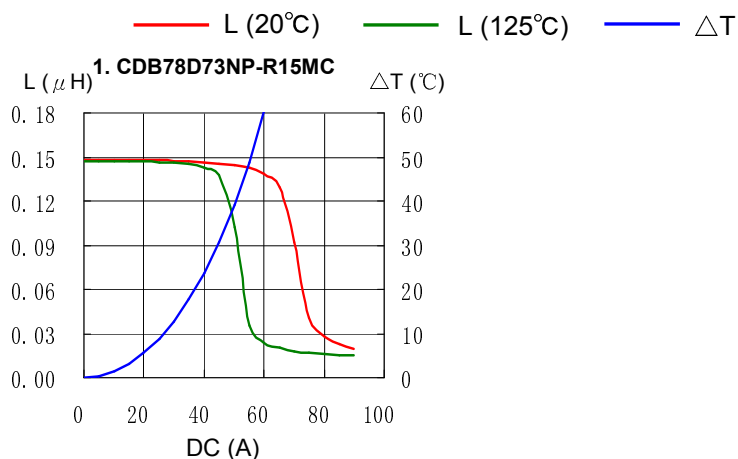
※2. Saturation current: The value of D.C. current when the inductance decreases to 80% of it's nominal value.

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

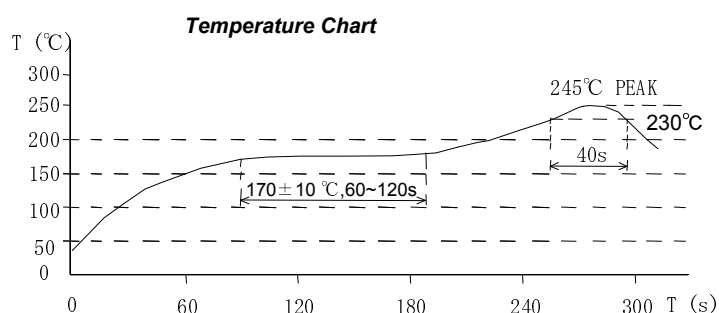
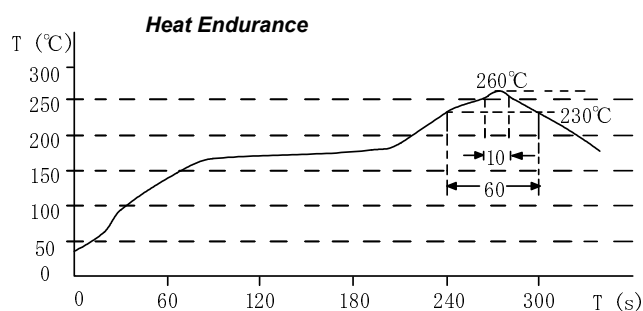
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Saturation Current & Temperature Rise Graph



Solder Reflow Condition



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

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