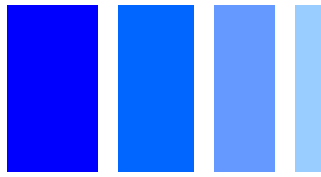


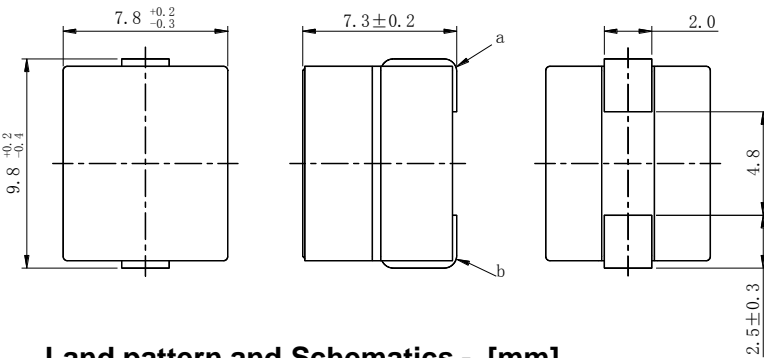
SMD Power Inductor CDB78D73



Description

- Ferrite core construction.
- Magnetically shielded.
- L × W × H: 10.0 × 8.0 × 7.5 mm Max.
- Product weight: 2.4g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Dimension - [mm]



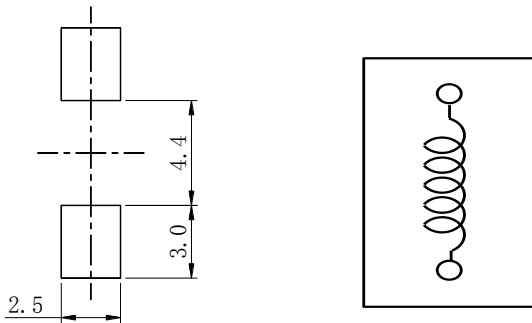
Environmental Data

- 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

Land pattern and Schematics - [mm]



Applications

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

Electrical Characteristics

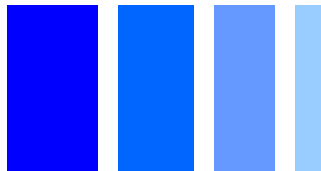
Part No.	Stamp	Inductance (μH) [Within] ※1	D.C.R. (mΩ) (at 20°C) Max.(Typ.)	Saturation current (A) ※2 (at 20°C) Max.(Typ.)	Temperature rise current (A) ※3
CDB78D73NP-R15MC	R15	0.15 ± 20%	0.33(0.29)	55.0(68.0)	50.0
CDB78D73NP-R20MC	R20	0.20 ± 20%	0.33(0.29)	41.0(51.0)	50.0

※1 Measuring frequency Inductance at 1MHz

※2 Saturation current: The value of DC current when the inductance decreases to 80% of it's initial value.

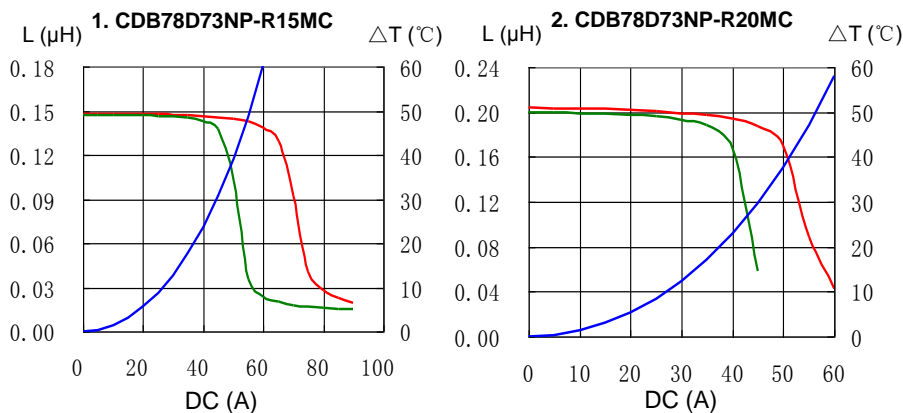
※3 Temperature rise current: The actual value of DC current when the temperature rise is ΔT=40°C(Ta=20°C).

SMD Power Inductor CDB78D73

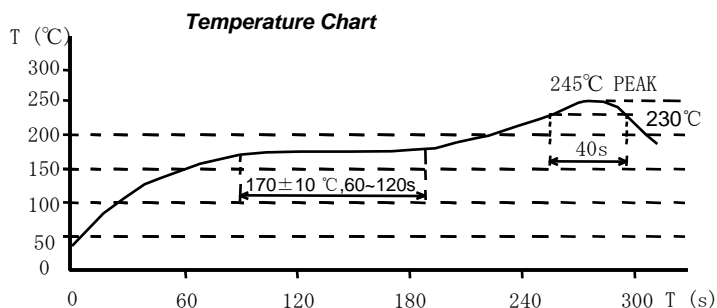
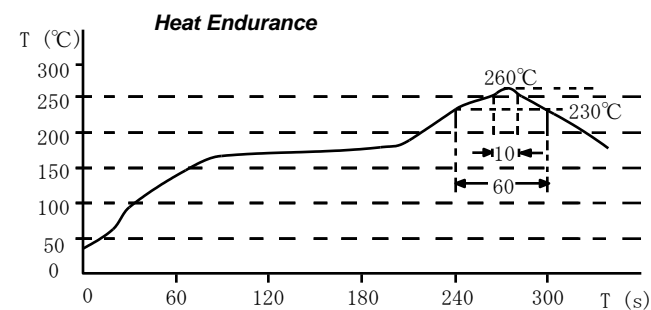


Saturation Current & Temperature Rise Graph

— L (20°C) — L (125°C) — ΔT



Solder Reflow Condition



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

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