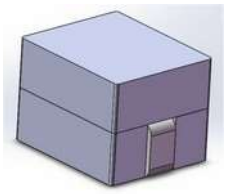
SMD Power Inductor

CDB78D73B

Recommended Type

Description

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



Environmental Data

- Operating temperature range: -40℃～+125℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+125℃

Packaging

- Carrier tape and reel packaging
- 500pcs per reel

Applications

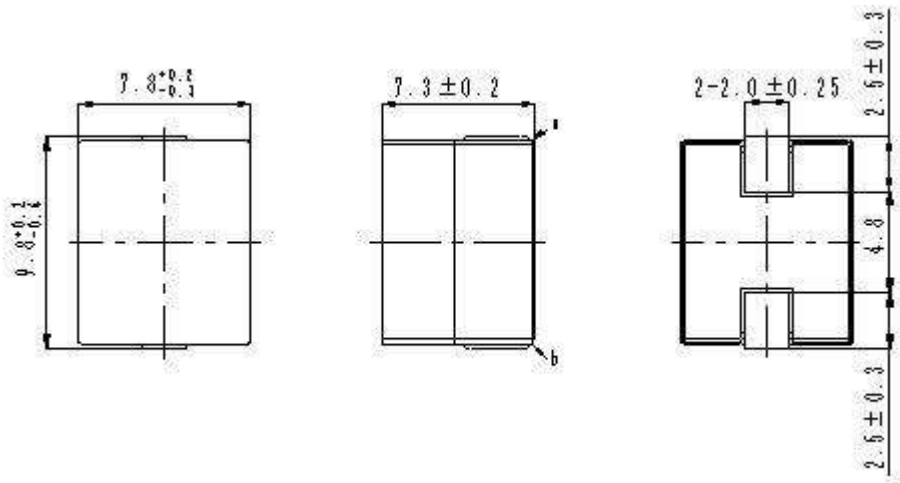
- Multi-phase and Vcore regulators
- Voltage Regulator Modules (VRMs), such as server and desktop, Central Processing Unit(CPU), Graphics Processing Unit (GPU), Application Specific Integrated Circuit(ASIC), High power density
- Data center network
- Graphics cards and battery power systems

SMD Power Inductor

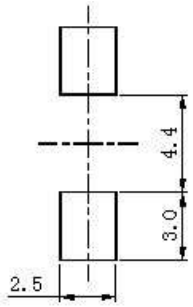
CDB78D73B

Recommended Type

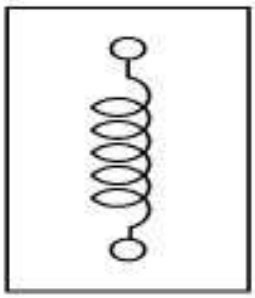
Dimension - [mm]



Recommended Land pattern - [mm]



Wire Connection



Note : This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

SMD Power Inductor

CDB78D73B

Recommended Type

Electrical Characteristics

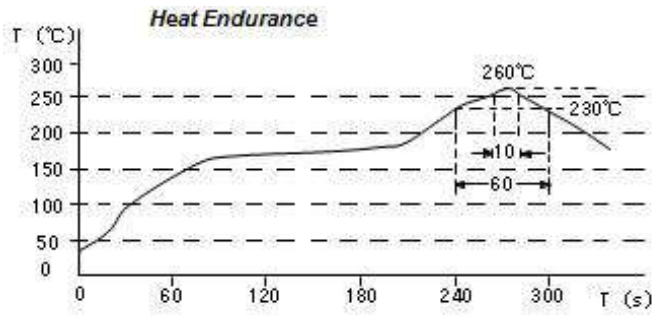
Part Number	Inductance [Within] (μH) ※1	D.C.R. at 20℃ max(typ) (mΩ)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
			20℃	125℃	
			Max. (Typ.)	Max. (Typ.)	
CDB78D73BNP-R12MC	0.12 ± 20%	0.33 (0.29)	73.00 (86.00)	58.00 (68.00)	50.00
CDB78D73BNP-R15MC	0.15 ± 20%	0.33 (0.29)	58.00 (68.00)	47.00 (55.00)	50.00
CDB78D73BNP-R20MC	0.20 ± 20%	0.33 (0.29)	42.50 (50.00)	34.00 (40.00)	50.00
CDB78D73BNP-R27MC	0.27 ± 20%	0.33 (0.29)	31.50 (37.00)	23.80 (28.00)	50.00

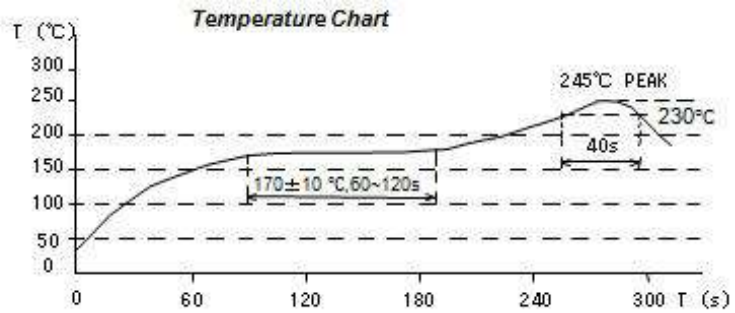
※1 Measuring frequency inductance at 1MHz.

※2 Saturation current: This indicates the actual value of D.C. current when the inductance becomes 20% lower than its initial value.

※3 Temperature rise current: The actual value of D.C. current when temperature of coil increased △T=40℃(Ta＝20℃).

Solder Reflow Condition





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SMD Power Inductor

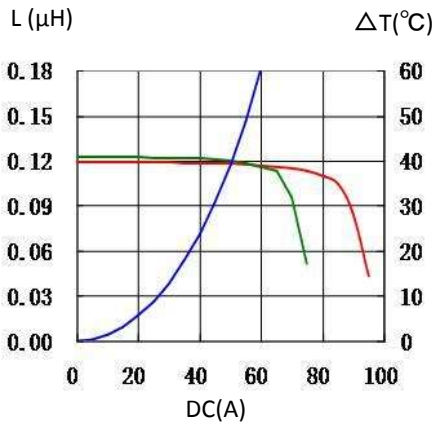
CDB78D73B

Recommended Type

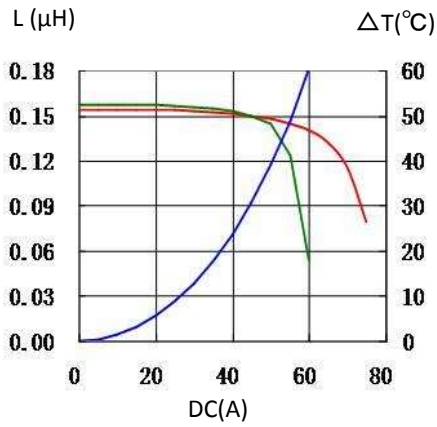
Saturation Current & Temperature Rise Graph

L (20°C) L (125°C) ΔT

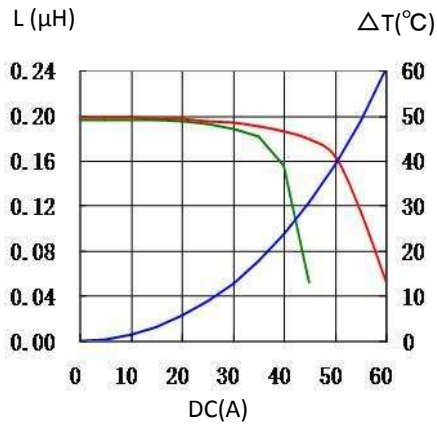
1. CDB78D73BNP-R12MC



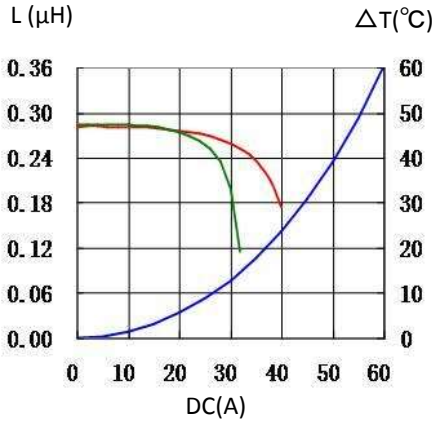
2. CDB78D73BNP-R15MC



3. CDB78D73BNP-R20MC



4. CDB78D73BNP-R27MC



For sales office information, please click here to visit our website.