

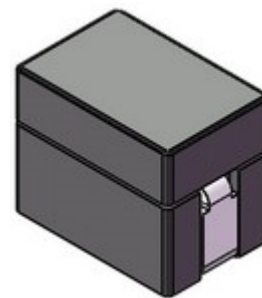
SMD Power Inductor

CDB62D78



特点

- Ferrite core construction
- Magnetically shielded
- L×W×H:9.6×6.4×8.0mm Max.
- Product weight: 2.02g(Ref.)
- Moisture Sensitivity Level: 1



环境规格

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

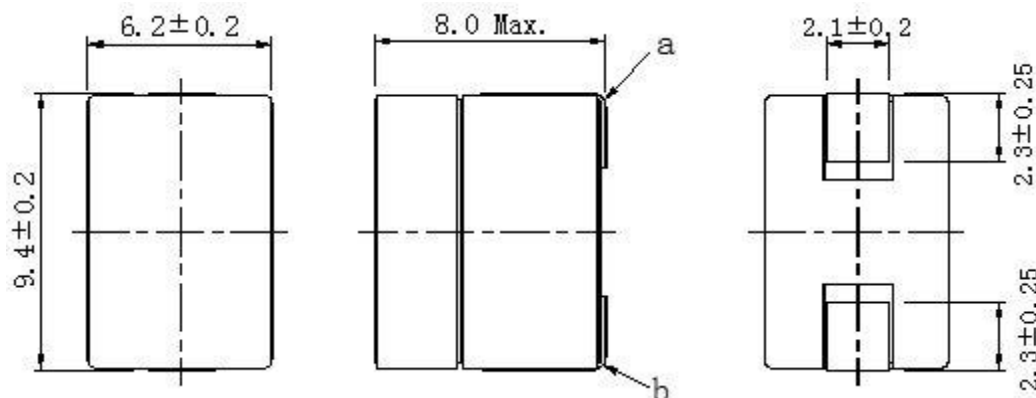
包装

- Carrier tape and reel packaging
- 500pcs per reel

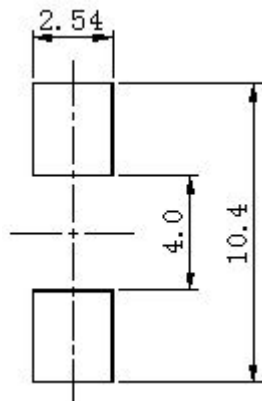
用途

- 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 networking density
- Graphics cards and battery power systems

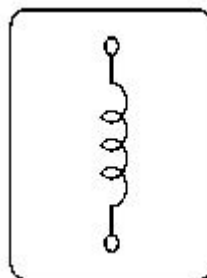
外形尺寸 - [mm]



推荐焊盘尺寸 - [mm]



接线图 (底面)



注：记载内容如有变更，恕不另行通知。订货时请联系您最近的销售办事处以获取最新产品信息。



电气特性规格

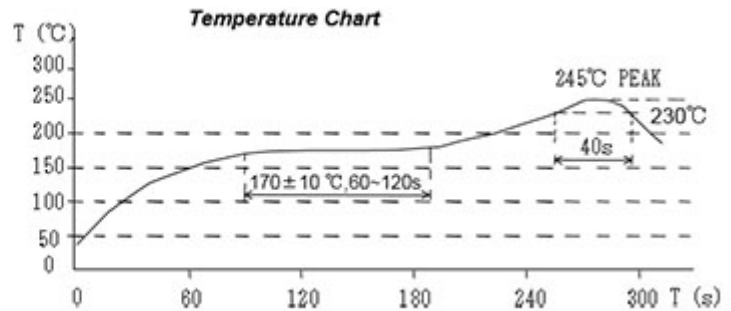
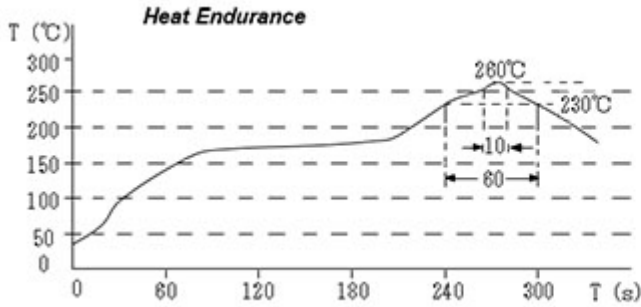
品名	电感值 [within] (μ H) ※1	直流电阻 (20℃) Max. (Typ.) (m Ω)	饱和电流 (A) Max. (Typ.) ※2		温度上升电流 (A) Max. (Typ.) ※3
			20℃	125℃	
CDB62D78NP-R10MC	0.10 \pm 20%	(0.29)	80.00 (95.00)	68.00 (80.00)	(51.00)
CDB62D78NP-R12MC	0.12 \pm 20%	(0.29)	71.00 (84.00)	59.50 (70.00)	(51.00)
CDB62D78NP-R15MC	0.15 \pm 20%	(0.29)	55.00 (65.00)	46.50 (55.00)	(51.00)
CDB62D78NP-R18MC	0.18 \pm 20%	(0.29)	46.50 (55.00)	38.00 (45.00)	(51.00)
CDB62D78NP-R22MC	0.22 \pm 20%	(0.29)	38.00 (45.00)	29.50 (35.00)	(51.00)
CDB62D78NP-R28MC	0.28 \pm 20%	(0.29)	29.00 (34.00)	23.50 (28.00)	(51.00)

※1 Measuring frequency inductance at 1MHz.

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

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

回流焊耐热与推荐温度曲线图



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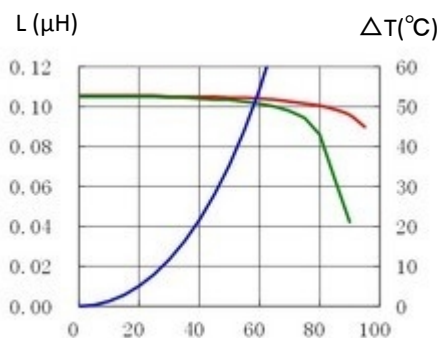
直流饱和电流&温度上升曲线图

— L (20°C) — L (125°C) — ΔT

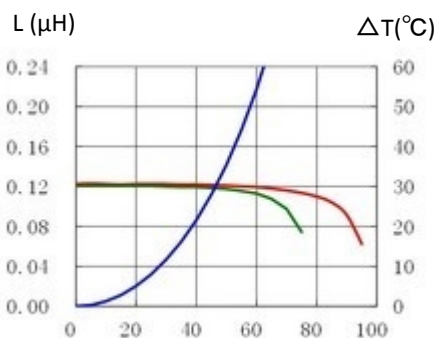
1. CDB62D78NP-R10MC

2. CDB62D78NP-R12MC

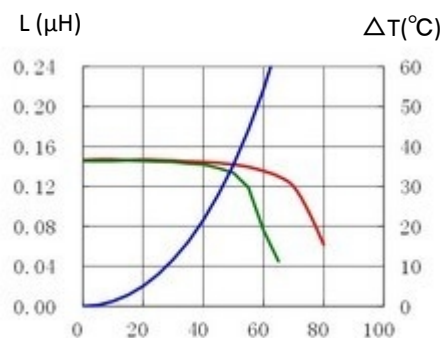
3. CDB62D78NP-R15MC



DC(A)



DC(A)

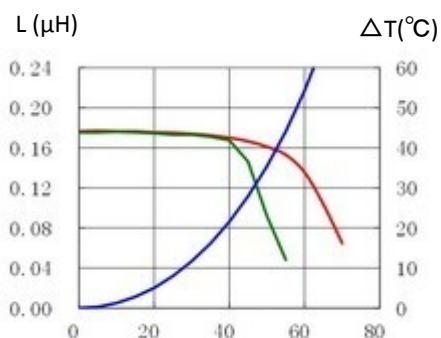


DC(A)

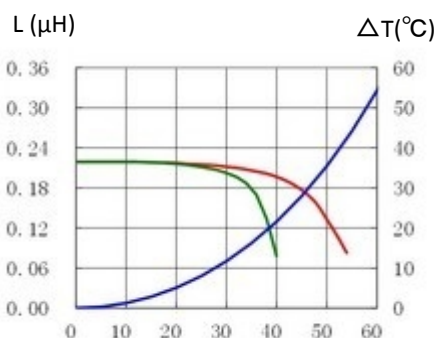
4. CDB62D78NP-R18MC

5. CDB62D78NP-R22MC

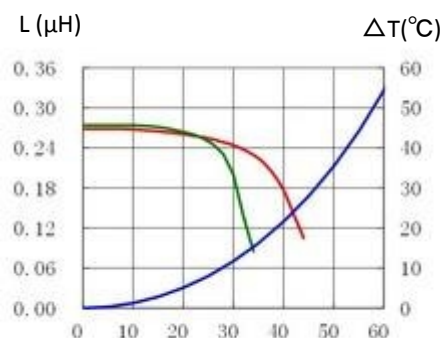
6. CDB62D78NP-R28MC



DC(A)



DC(A)



DC(A)



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