

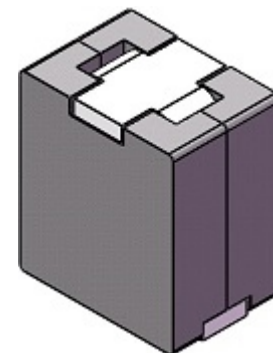
SMD Power Inductor

CDEPH7212



特点

- Magnetically shielded
- Flat wire windings provide exceptionally low DC resistance
- L×W×H:10.7×7.6×12.15mm Max.
- Product weight: 4.40g(Ref.)
- Moisture Sensitivity Level: 1



环境规格

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

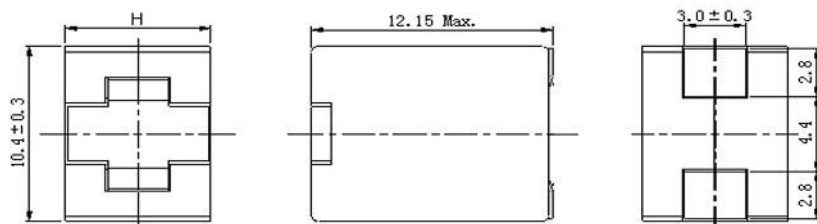
包装

- Carrier tape and reel packaging
- 13.0" diameter reel
- 250pcs per reel

用途

- Multi-phase and Vcore regulators
- Voltage Regulator Modules (VRMs) and high power density VRMs
- Data networking and storage systems
- Graphics cards and battery power systems

外形尺寸 - [mm]



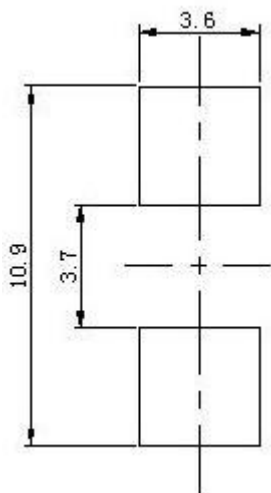
Dimension Inductance	H (mm)
0.13μH~0.15μH	7.3±0.3
0.18μH~0.47μH	7.2±0.3

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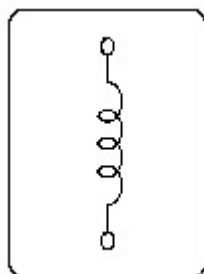
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推荐焊盘尺寸 - [mm]



接线图 (底面)





电气特性规格

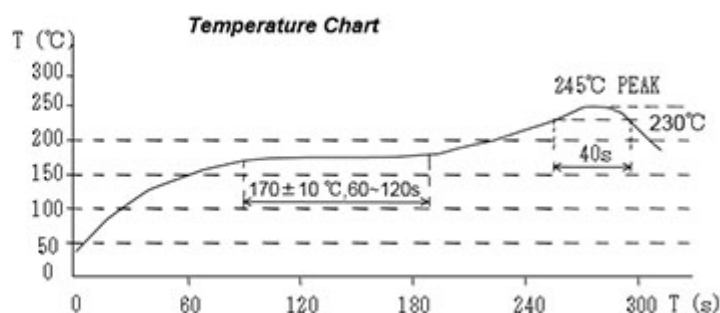
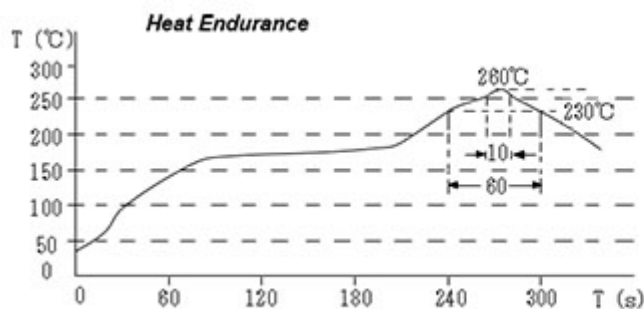
品名	电感值 [within] (μ H) ※1	直流电阻 (20℃) Max. (Typ.) (m Ω)	饱和电流 (A) Max. (Typ.) ※2		温度上升电流 (A) Max. (Typ.) ※3
			20℃	125℃	
CDEPH7212NP-R13LC	0.13 \pm 15%	0.15 \pm 10%	115 (125+)	86.00 (102)	(75.00)
CDEPH7212NP-R15LC	0.15 \pm 15%	0.15 \pm 10%	102 (120)	72.00 (85.00)	(75.00)
CDEPH7212NP-R18LC	0.18 \pm 15%	0.15 \pm 10%	80.00 (95.00)	63.00 (75.00)	(75.00)
CDEPH7212NP-R20LC	0.20 \pm 15%	0.15 \pm 10%	76.00 (90.00)	57.00 (67.00)	(75.00)
CDEPH7212NP-R22LC	0.22 \pm 15%	0.15 \pm 10%	69.00 (82.00)	51.00 (60.00)	(75.00)
CDEPH7212NP-R28LC	0.28 \pm 15%	0.15 \pm 10%	53.00 (63.00)	38.00 (45.00)	(75.00)
CDEPH7212NP-R47LC	0.47 \pm 15%	0.15 \pm 10%	28.00 (34.00)	22.00 (26.00)	(75.00)

※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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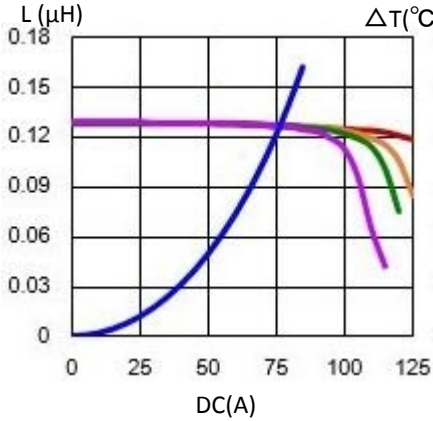
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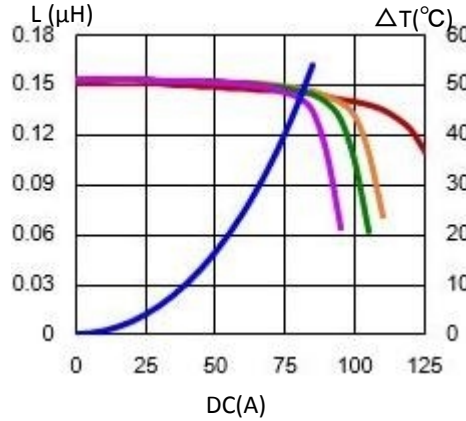
直流饱和电流&温度上升曲线图

— L(25°C) — L(85°C) — L(100°C) — L(125°C) — ΔT

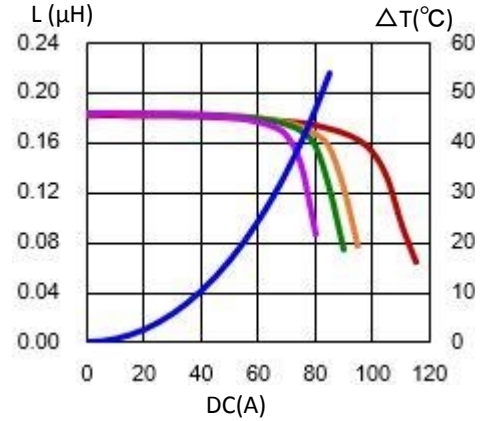
1. CDEPH7212NP-R13LC



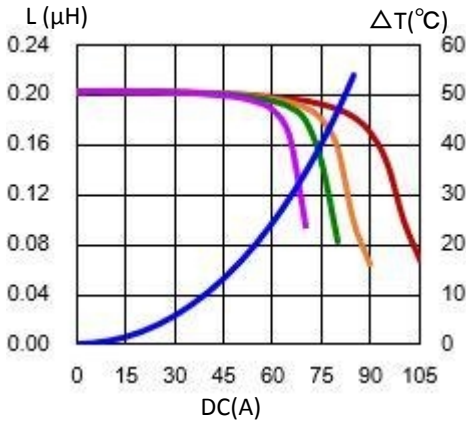
2. CDEPH7212NP-R15LC



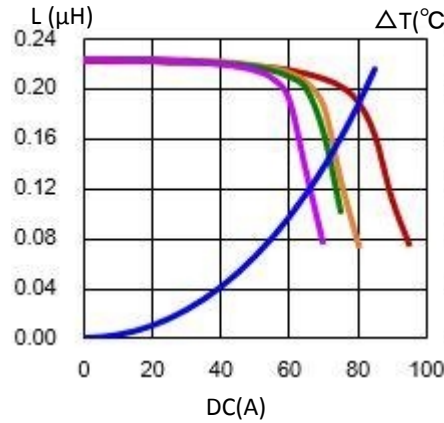
3. CDEPH7212NP-R18LC



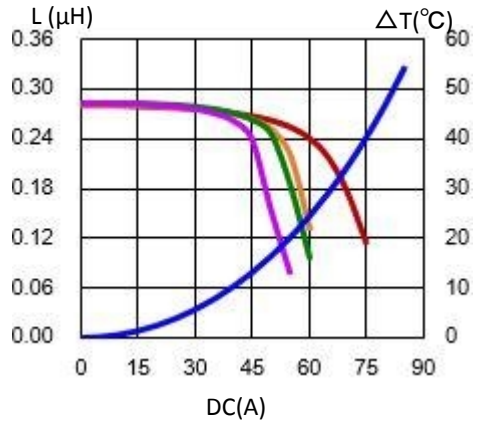
4. CDEPH7212NP-R20LC



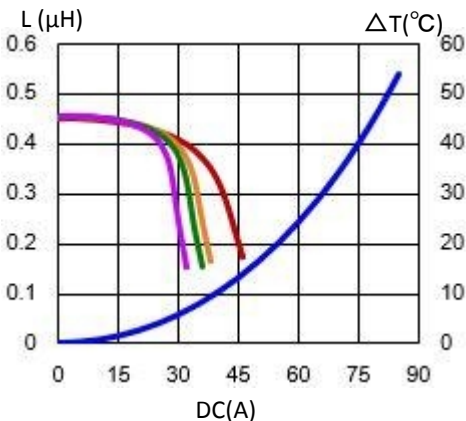
5. CDEPH7212NP-R22LC



6. CDEPH7212NP-R28LC



7. CDEPH7212NP-R47LC



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。

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