

SMD Power Inductor

CDRH40D18/A



特点

- Ferrite drum core construction
- Magnetically shielded
- L×W×H: 4.5×4.5×2.0 mm Max.
- Product weight: 0.1g(Ref.)
- Moisture Sensitivity Level: 1
- Qualification to AEC-Q200



环境规格

- Operating Temperature: -40°C to +125°C (including self-heating)
- Storage temperature range: -40°C~+85°C

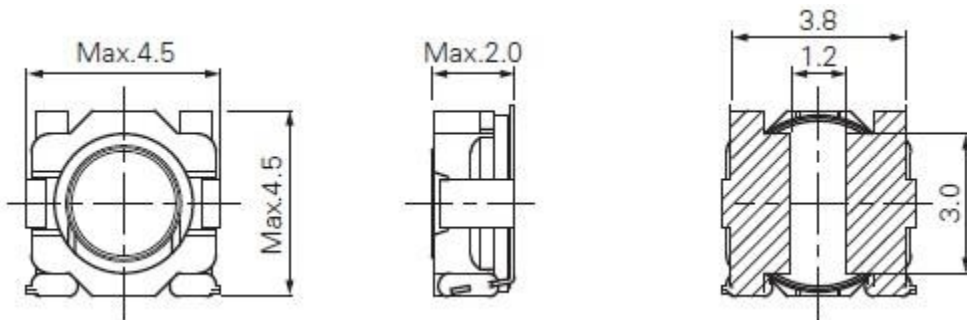
包装

- Carrier tape and reel packaging

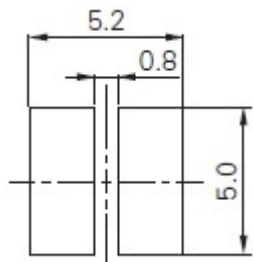
用途

- High temp and high reliability automotive applications

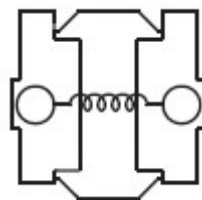
外形尺寸 - [mm]



推荐焊盘尺寸 - [mm]



接线图 (底面)





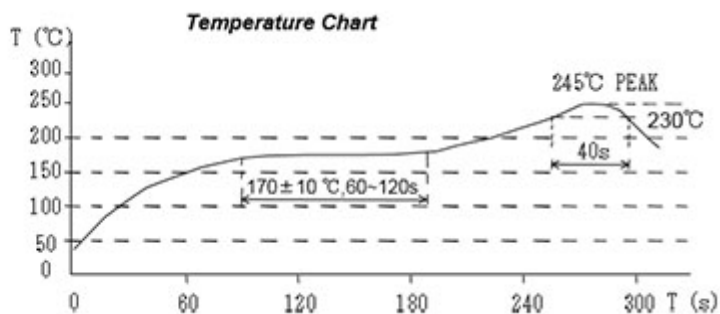
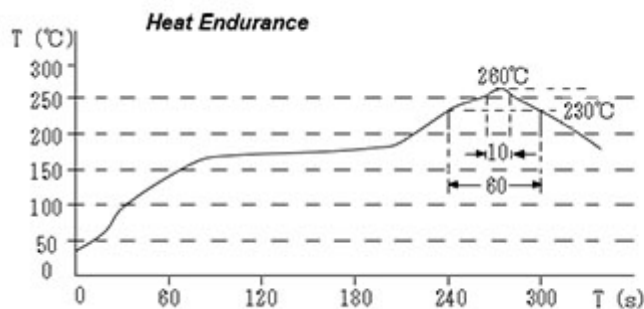
电气特性规格

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
CDRH40D18ANP-2R2NC	2.20 \pm 30%	63.00 (50.00)	1.36 (2.14)	(1.82)
CDRH40D18ANP-3R3NC	3.30 \pm 30%	108 (86.00)	1.10 (1.77)	(1.45)
CDRH40D18ANP-4R7NC	4.70 \pm 30%	128 (102)	0.84 (1.39)	(1.34)
CDRH40D18ANP-6R8NC	6.80 \pm 30%	205 (164)	0.73 (1.22)	(0.99)
CDRH40D18ANP-100NC	10.00 \pm 30%	338 (270)	0.59 (0.98)	(0.72)
CDRH40D18ANP-150NC	15.00 \pm 30%	428 (342)	0.49 (0.82)	(0.65)
CDRH40D18ANP-220NC	22.00 \pm 30%	615 (492)	0.41 (0.66)	(0.57)
CDRH40D18ANP-330NC	33.00 \pm 30%	1175 (940)	0.31 (0.54)	(0.37)
CDRH40D18ANP-470NC	47.00 \pm 30%	1500 (1200)	0.28 (0.45)	(0.35)

※1. Inductance measuring condition: at 100 kHz.

※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when $\Delta t=30^\circ\text{C}$, whichever is lower.

回流焊耐热与推荐温度曲线图

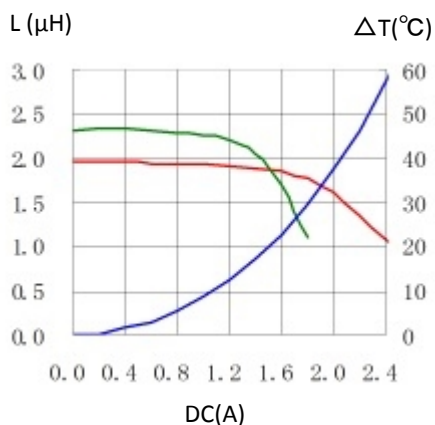




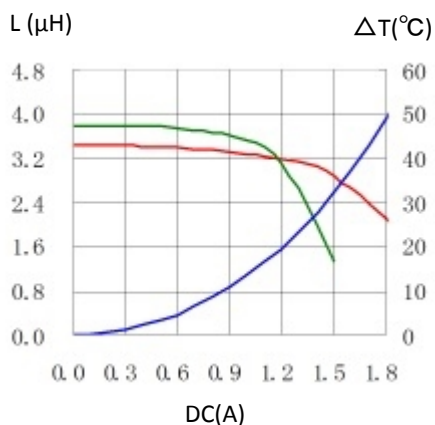
直流饱和电流&温度上升曲线图

— L (20°C) — L (155°C) — ΔT

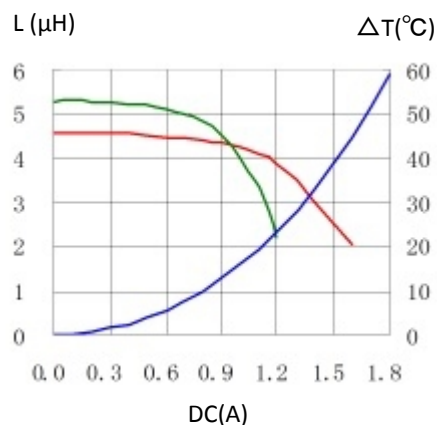
1. CDRH40D18ANP-2R2NC



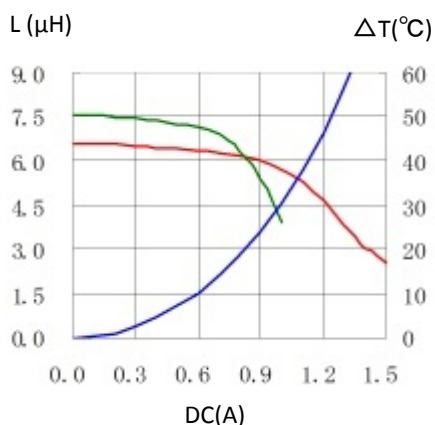
2. CDRH40D18ANP-3R3NC



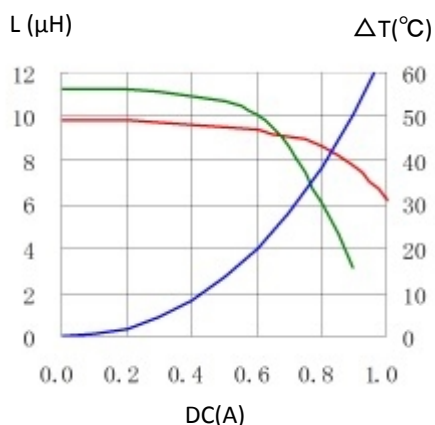
3. CDRH40D18ANP-4R7NC



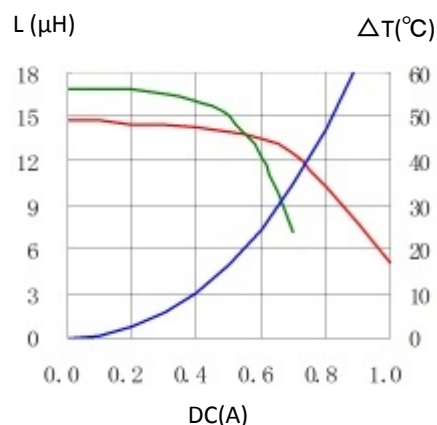
4. CDRH40D18ANP-6R8NC



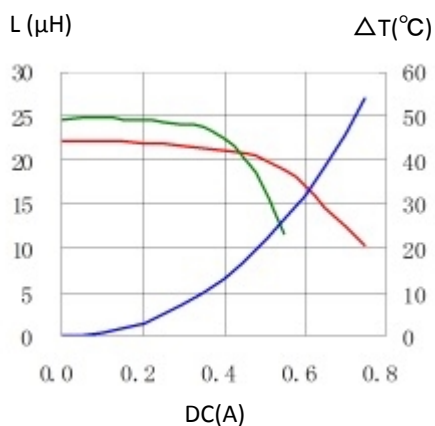
5. CDRH40D18ANP-100NC



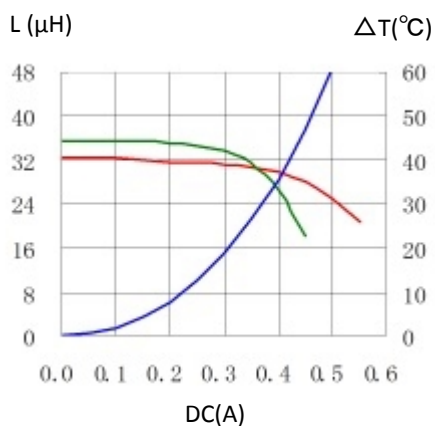
6. CDRH40D18ANP-150NC



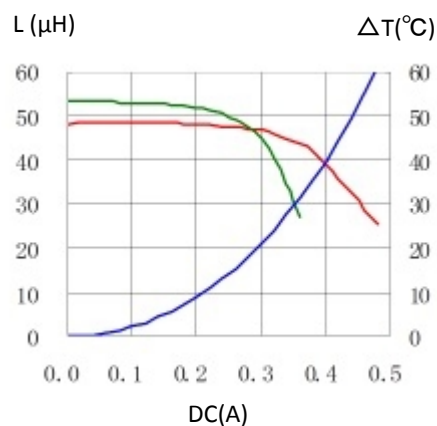
7. CDRH40D18ANP-220NC



8. CDRH40D18ANP-330NC



9. CDRH40D18ANP-470NC



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