

SMD Power Inductor

CDRR127



特点

- Magnetically shielded
- L×W×H: 12.8×12.8×7.85 mm Max.
- Product weight: 3.8g (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~+125°C

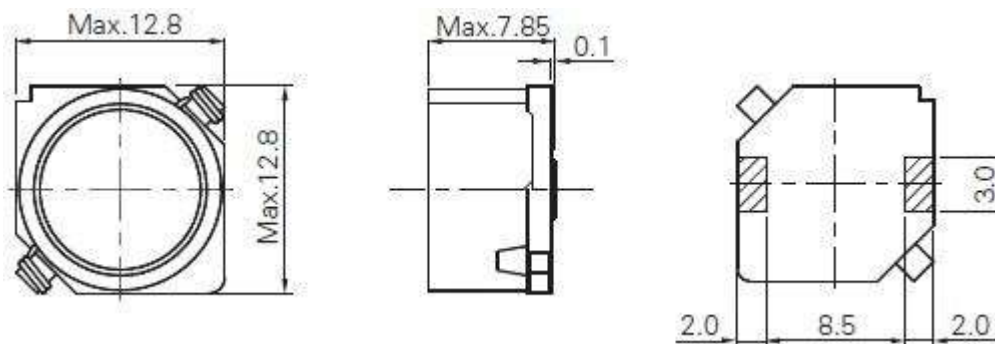
包装

- Carrier tape and reel packaging

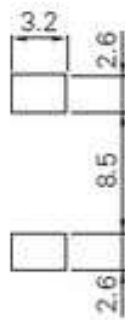
用途

- High temp and high reliability automotive applications

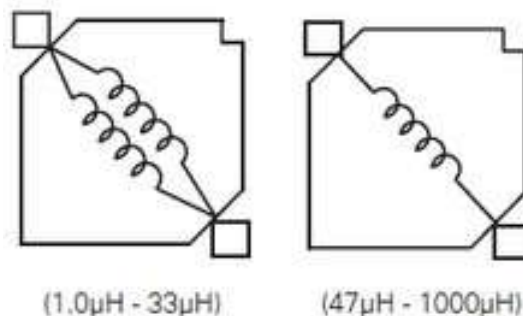
外形尺寸 - [mm]



推荐焊盘尺寸 - [mm]



接线图 (底面)



SMD Power Inductor

CDRR127



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
CDRR127NP-1R0NC	1.00 \pm 30%	7.20 (6.00)	19.00 (25.00)	(10.50)
CDRR127NP-2R7NC	2.70 \pm 30%	9.96 (8.30)	12.80 (16.80)	(9.10)
CDRR127NP-3R3NC	3.30 \pm 30%	11.50 (9.60)	11.00 (13.90)	(8.20)
CDRR127NP-5R6NC	5.60 \pm 30%	13.90 (11.60)	8.00 (10.00)	(7.00)
CDRR127NP-6R8NC	6.80 \pm 30%	15.70 (13.10)	7.20 (9.00)	(6.70)
CDRR127NP-100MC	10.00 \pm 20%	18.70 (15.60)	5.90 (7.50)	(5.40)
CDRR127NP-150MC	15.00 \pm 20%	22.10 (18.40)	4.80 (6.20)	(5.00)
CDRR127NP-220MC	22.00 \pm 20%	31.60 (26.30)	4.20 (5.30)	(4.00)
CDRR127NP-330MC	33.00 \pm 20%	47.40 (39.50)	3.30 (4.20)	(3.50)
CDRR127NP-470MC	47.00 \pm 20%	63.40 (52.80)	2.80 (3.50)	(3.00)
CDRR127NP-680MC	68.00 \pm 20%	93.40 (77.80)	2.10 (2.70)	(2.40)
CDRR127NP-101MC	100 \pm 20%	150 (125)	1.90 (2.17)	(2.00)
CDRR127NP-151MC	150 \pm 20%	210 (175)	1.50 (1.92)	(1.60)
CDRR127NP-221MC	220 \pm 20%	310 (258)	1.30 (1.68)	(1.30)
CDRR127NP-331MC	330 \pm 20%	408 (340)	1.10 (1.37)	(1.10)
CDRR127NP-471MC	470 \pm 20%	665 (554)	0.90 (1.05)	(0.90)
CDRR127NP-681MC	680 \pm 20%	1020 (846)	0.70 (0.94)	(0.70)
CDRR127NP-102MC	1000 \pm 20%	1520 (1271)	0.60 (0.77)	(0.57)

※1 Inductance tested at 100kHz.

※2 Saturation current: This indicates the value of current when the inductance is 10% lower than its initial value.

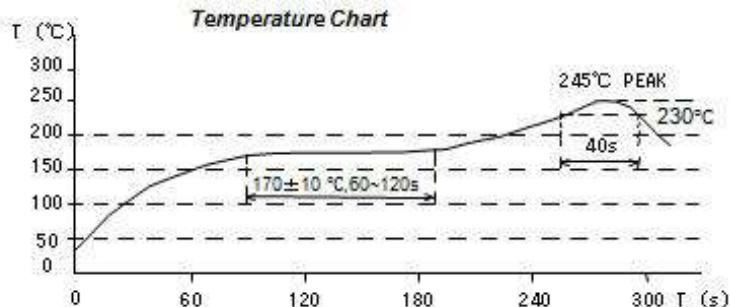
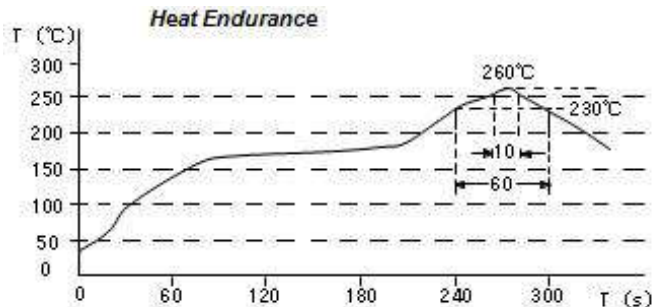
※3 Temperature rise current: The value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

SMD Power Inductor

CDRR127



回流焊耐热与推荐温度曲线图



SMD Power Inductor

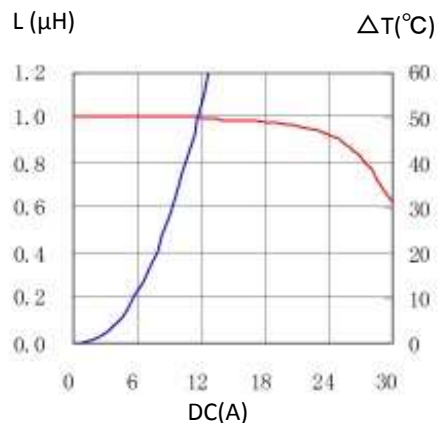
CDRR127



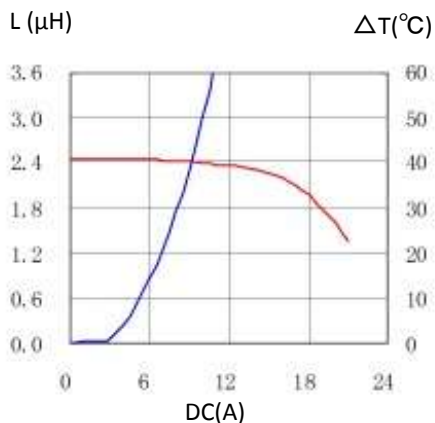
直流饱和电流&温度上升曲线图

— L (20°C) — ΔT

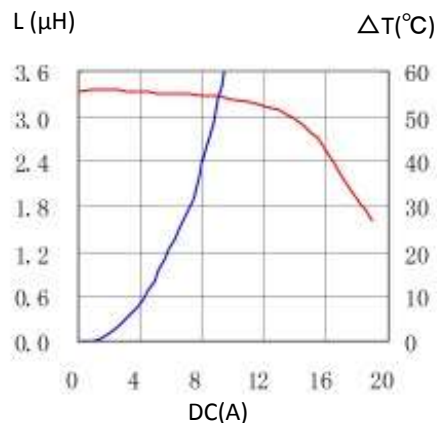
1. CDRR127NP-1R0NC



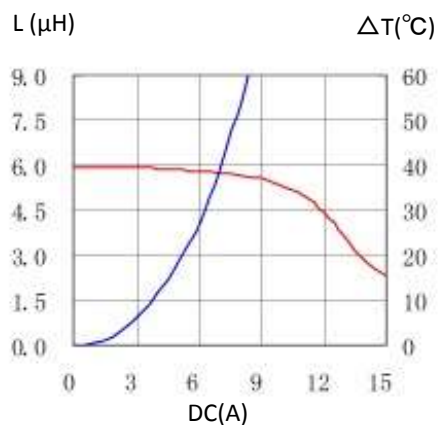
2. CDRR127NP-2R7NC



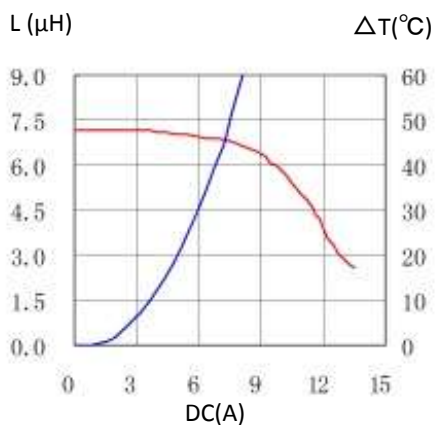
3. CDRR127NP-3R3NC



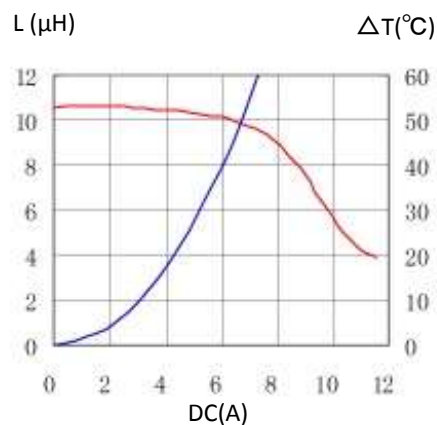
4. CDRR127NP-5R6NC



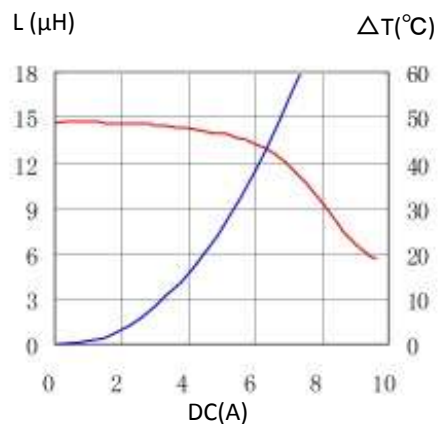
5. CDRR127NP-6R8NC



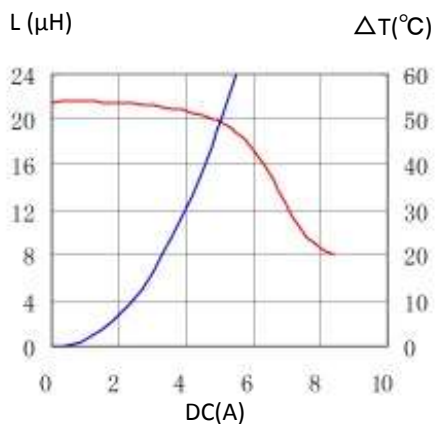
6. CDRR127NP-100MC



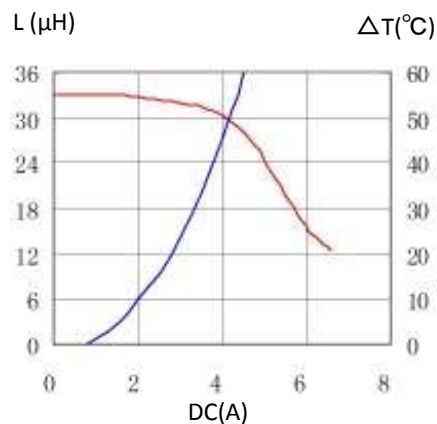
7. CDRR127NP-150MC



8. CDRR127NP-220MC



9. CDRR127NP-330MC

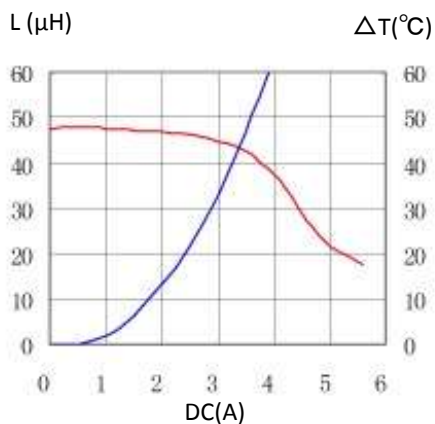


SMD Power Inductor

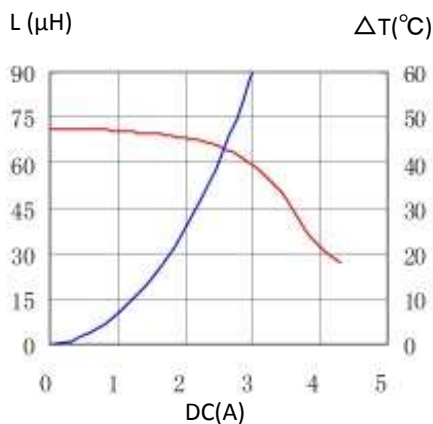
CDRR127



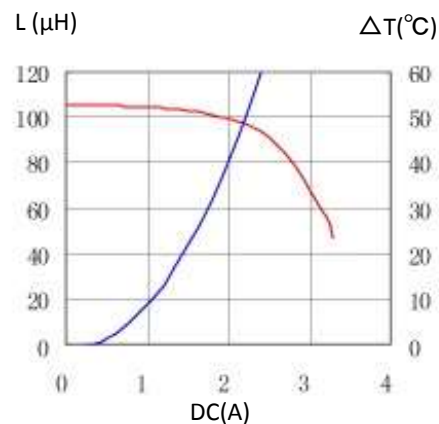
10. CDRR127NP-470MC



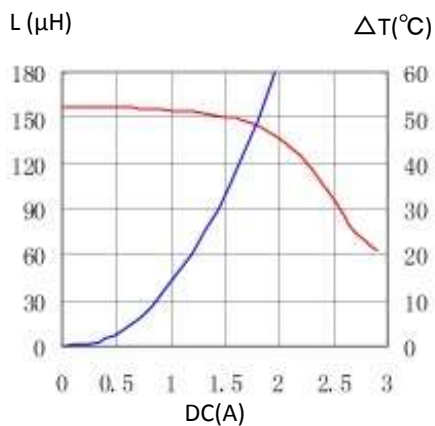
11. CDRR127NP-680MC



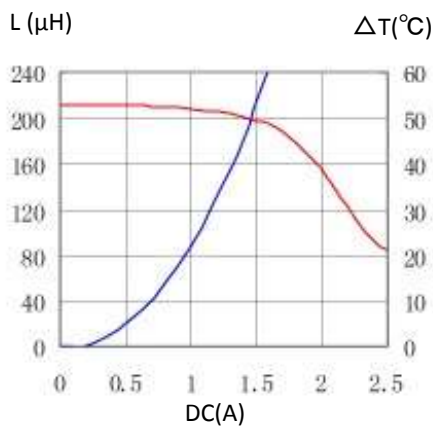
12. CDRR127NP-101MC



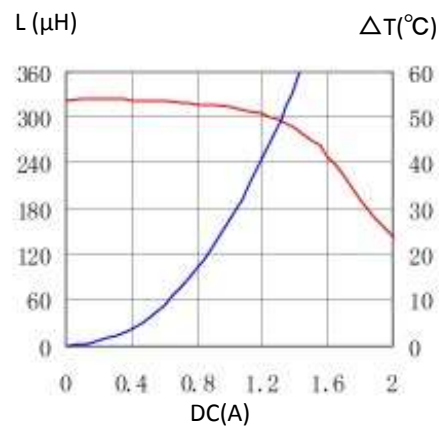
13. CDRR127NP-151MC



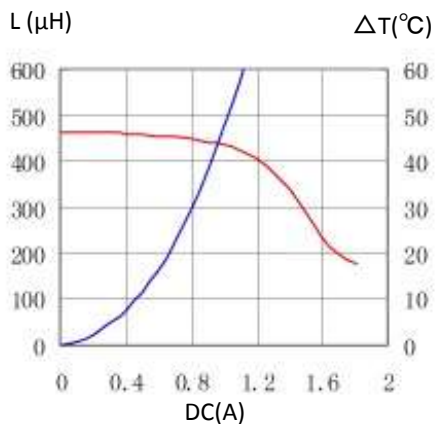
14. CDRR127NP-221MC



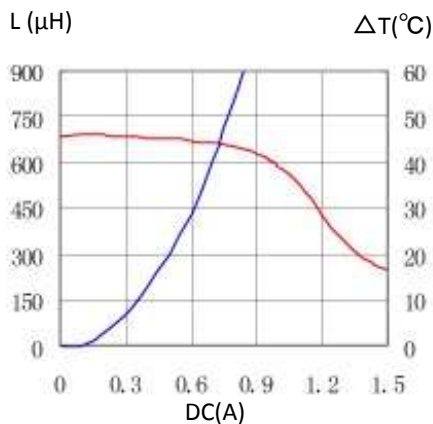
15. CDRR127NP-331MC



16. CDRR127NP-471MC



17. CDRR127NP-681MC



18. CDRR127NP-102MC

