

SMD Power Inductor

CDRH125/L125



特点

- Ferrite drum core construction
- Magnetically shielded
- L×W×H: 12.3×12.3×6.0 mm Max.
- Product weight: 3.0g(Ref.)
- Moisture Sensitivity Level: 1
- Qualified to AEC-Q200



环境规格

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

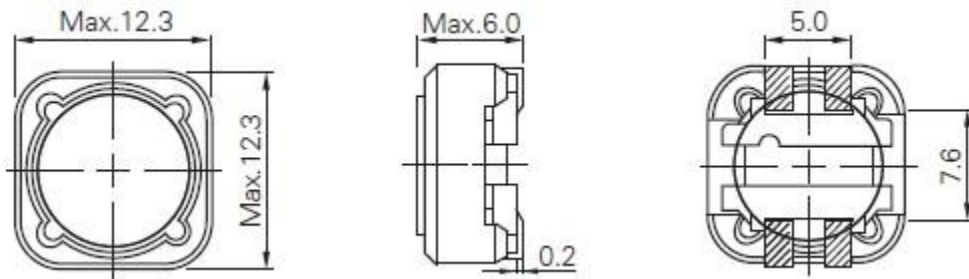
包装

- Carrier tape and reel packaging

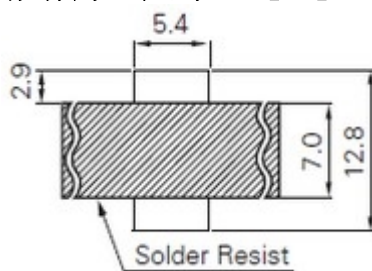
用途

- High temp and high reliability automotive applications

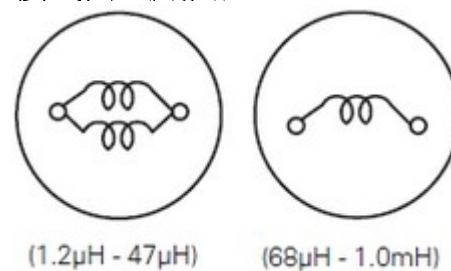
外形尺寸 - [mm]



推荐焊盘尺寸 - [mm]



接线图 (底面)



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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
CDRH125L125NP-1R2NC	1.20 \pm 30%	8.50 (6.80)	14.20 (16.70)	9.00 (10.20)
CDRH125L125NP-1R8NC	1.80 \pm 30%	10.60 (8.50)	12.60 (14.10)	8.00 (9.00)
CDRH125L125NP-2R7NC	2.70 \pm 30%	12.80 (10.20)	10.20 (11.50)	7.40 (8.40)
CDRH125L125NP-3R9NC	3.90 \pm 30%	15.00 (12.00)	8.20 (9.30)	6.80 (7.70)
CDRH125L125NP-5R1NC	5.10 \pm 30%	17.50 (14.00)	7.20 (8.50)	6.50 (7.30)
CDRH125L125NP-6R8NC	6.80 \pm 30%	20.00 (16.00)	6.20 (7.10)	5.90 (6.60)
CDRH125L125NP-100MC	10.00 \pm 20%	25.00 (20.00)	5.20 (6.00)	5.30 (6.10)
CDRH125L125NP-150MC	15.00 \pm 20%	33.80 (27.00)	4.40 (5.10)	4.50 (5.20)
CDRH125L125NP-220MC	22.00 \pm 20%	39.50 (31.50)	3.50 (4.00)	3.70 (4.20)
CDRH125L125NP-330MC	33.00 \pm 20%	59.00 (47.00)	2.93 (3.30)	3.00 (3.50)
CDRH125L125NP-470MC	47.00 \pm 20%	93.30 (74.00)	2.44 (2.80)	2.42 (2.70)
CDRH125L125NP-680MC	68.00 \pm 20%	131 (105)	2.02 (2.32)	2.05 (2.34)
CDRH125L125NP-101MC	100 \pm 20%	166 (133)	1.70 (1.90)	1.82 (2.07)
CDRH125L125NP-151MC	150 \pm 20%	271 (217)	1.36 (1.57)	1.40 (1.60)
CDRH125L125NP-221MC	220 \pm 20%	394 (315)	1.12 (1.28)	1.15 (1.31)
CDRH125L125NP-331MC	330 \pm 20%	674 (539)	0.90 (1.05)	0.90 (1.03)
CDRH125L125NP-471MC	470 \pm 20%	858 (686)	0.75 (0.87)	0.81 (0.92)
CDRH125L125NP-681MC	680 \pm 20%	1220 (1020)	0.62 (0.71)	0.65 (0.74)
CDRH125L125NP-102MC	1000 \pm 20%	1900 (1580)	0.52 (0.60)	0.50 (0.57)

※1. Inductance measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

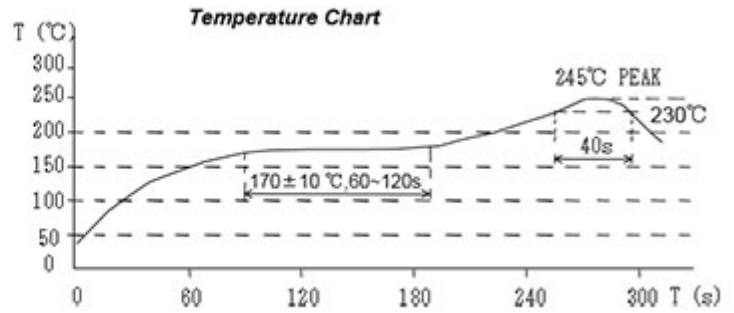
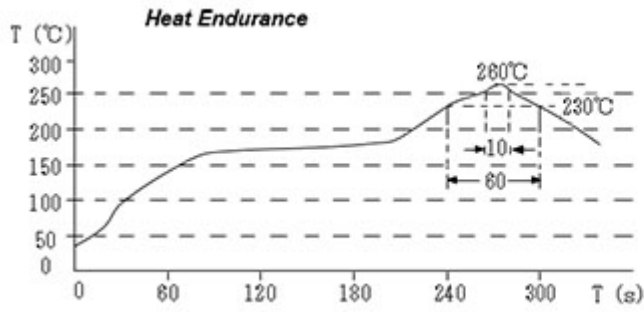
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

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回流焊耐热与推荐温度曲线图



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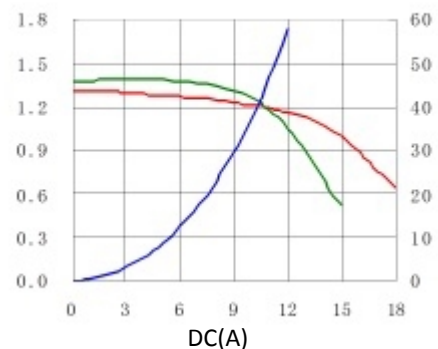


直流饱和电流&温度上升曲线图

— L (20°C) — L (125°C) — ΔT

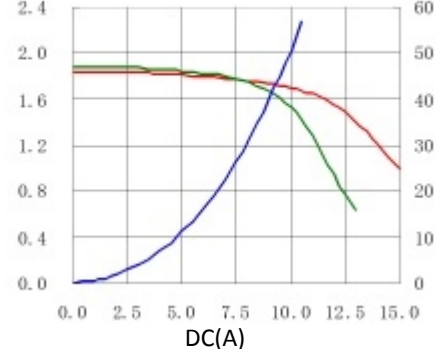
1. CDRH125L125NP-1R2NC

L (μH) ΔT(°C)



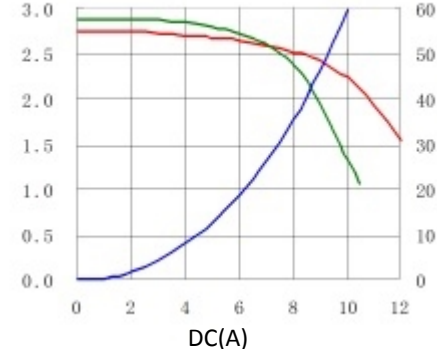
2. CDRH125L125NP-1R8NC

L (μH) ΔT(°C)



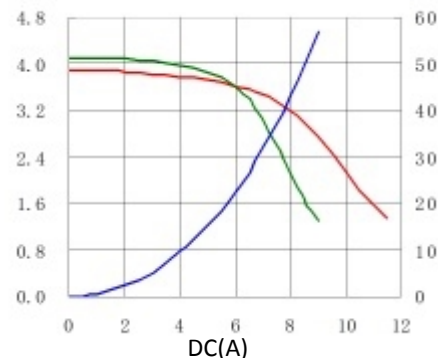
3. CDRH125L125NP-2R7NC

L (μH) ΔT(°C)



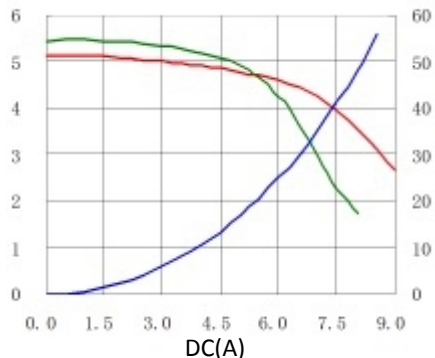
4. CDRH125L125NP-3R9NC

L (μH) ΔT(°C)



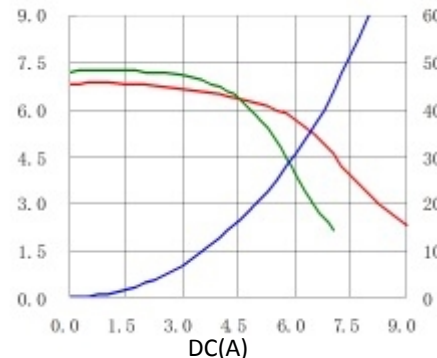
5. CDRH125L125NP-5R1NC

L (μH) ΔT(°C)



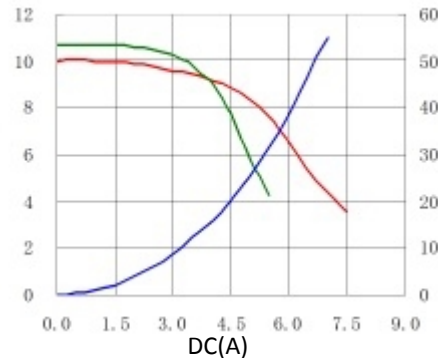
6. CDRH125L125NP-6R8NC

L (μH) ΔT(°C)



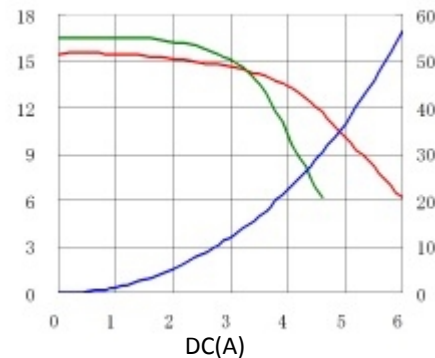
7. CDRH125L125NP-100MC

L (μH) ΔT(°C)



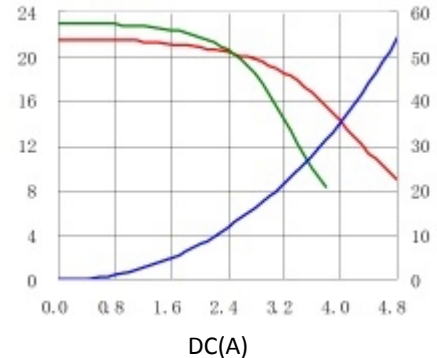
8. CDRH125L125NP-150MC

L (μH) ΔT(°C)



9. CDRH125L125NP-220MC

L (μH) ΔT(°C)



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。

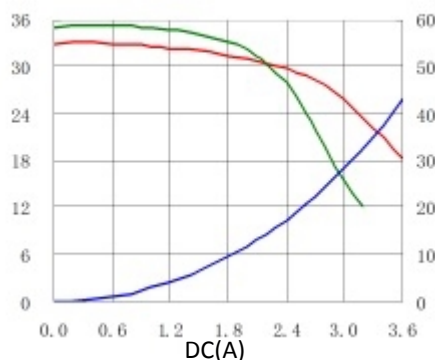
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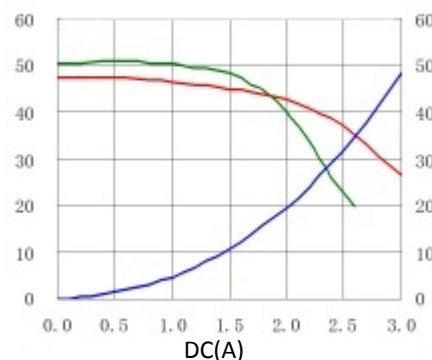
10. CDRH125L125NP-330MC

L (μH) $\Delta\text{T}(\text{°C})$



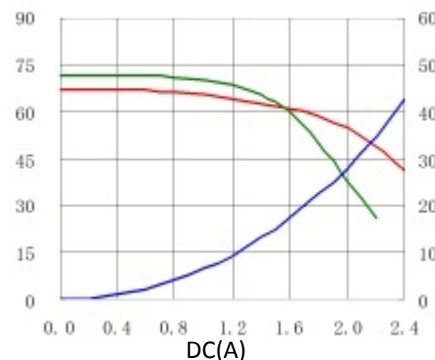
11. CDRH125L125NP-470MC

L (μH) $\Delta\text{T}(\text{°C})$



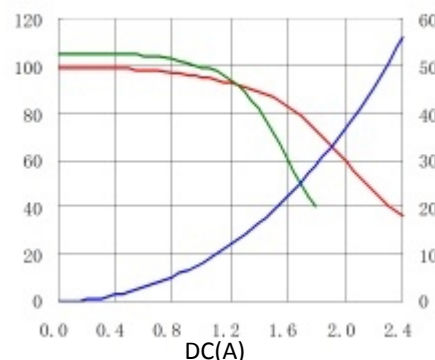
12. CDRH125L125NP-680MC

L (μH) $\Delta\text{T}(\text{°C})$



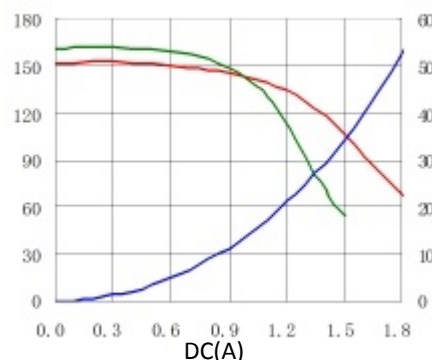
13. CDRH125L125NP-101MC

L (μH) $\Delta\text{T}(\text{°C})$



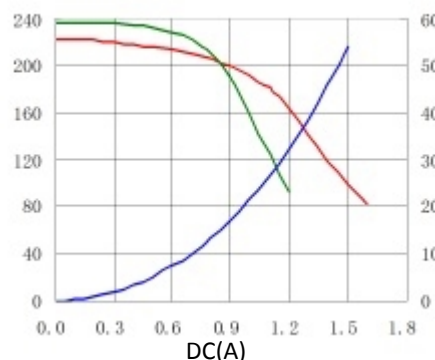
14. CDRH125L125NP-151MC

L (μH) $\Delta\text{T}(\text{°C})$



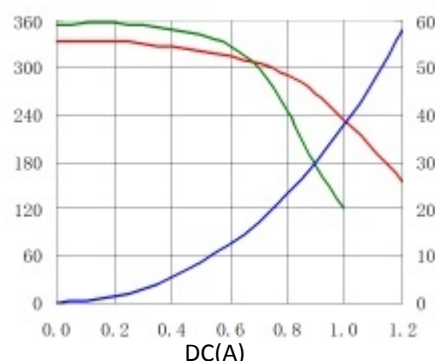
15. CDRH125L125NP-221MC

L (μH) $\Delta\text{T}(\text{°C})$



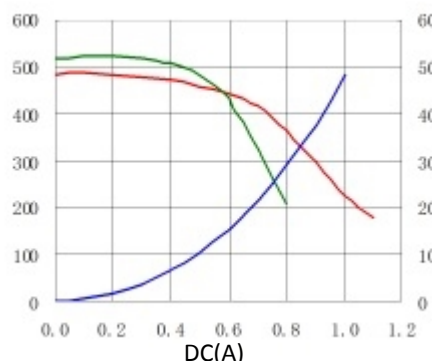
16. CDRH125L125NP-331MC

L (μH) $\Delta\text{T}(\text{°C})$



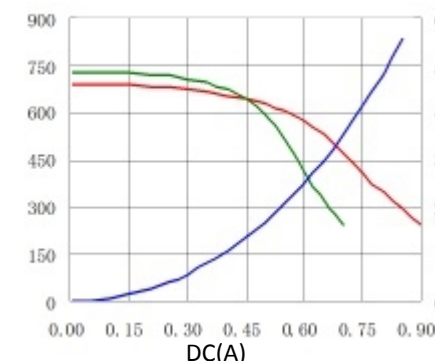
17. CDRH125L125NP-471MC

L (μH) $\Delta\text{T}(\text{°C})$



18. CDRH125L125NP-681MC

L (μH) $\Delta\text{T}(\text{°C})$



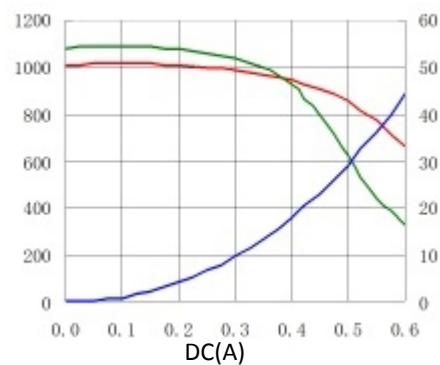
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19. CDRH125L125NP-102MC

L (μH) ΔT ($^{\circ}\text{C}$)



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