

SMD Power Inductor

CD6045MBT125/DS



注目の製品

特性

- NiZn ferrite magnetic material
- High current carrying capacity
- High power density, low core loss
- Magnetically semi-shielded
- Resin shielded for lower EMI
- L × W × H: 6.2 × 6.2 × 4.5mm Max.
- Product weight: 0.57g(Ref.)
- Moisture Sensitivity Level: 1.



環境データ

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

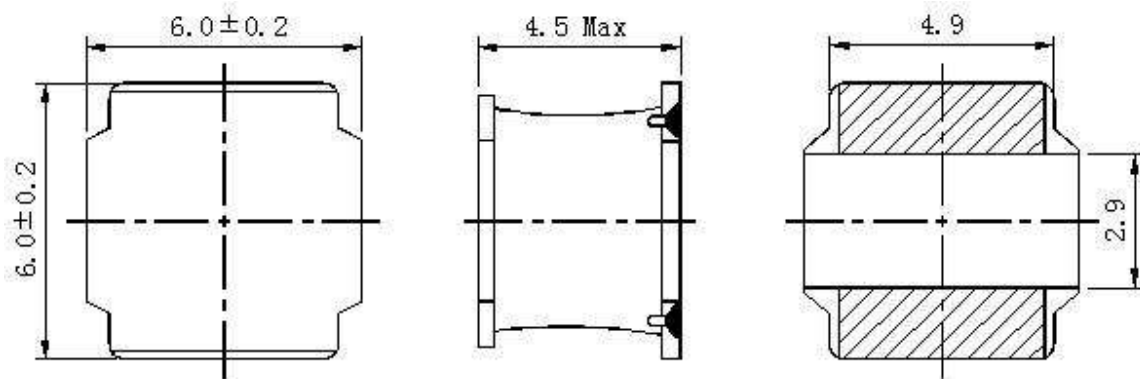
梱包

- Carrier tape and reel packaging
- 1500pcs per reel

用途

- DC/DC converters, switching controllers, digital video cameras, televisions LCD displays, LED lighting,
- electronic control system, battery backup, etc.

外形寸法 - [mm]



備考: 本仕様書は、製品の改善等により記載内容を予告なく変更することがありますのでご了承ください。また、ご注文の際のお問い合わせは、最寄りの地域営業へご連絡ください。

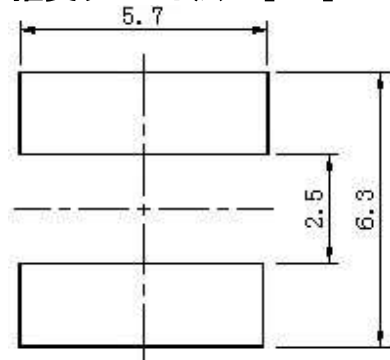
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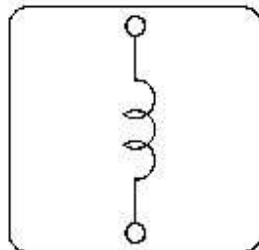


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推奨ランド寸法 - [mm]



結線図



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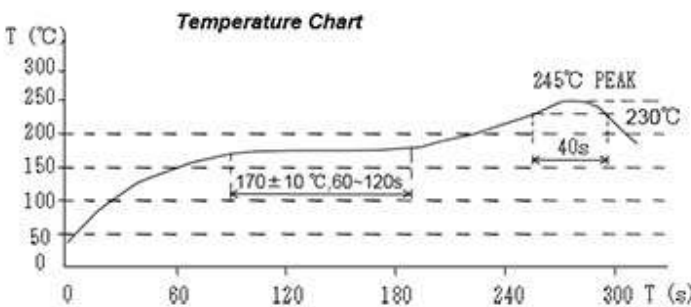
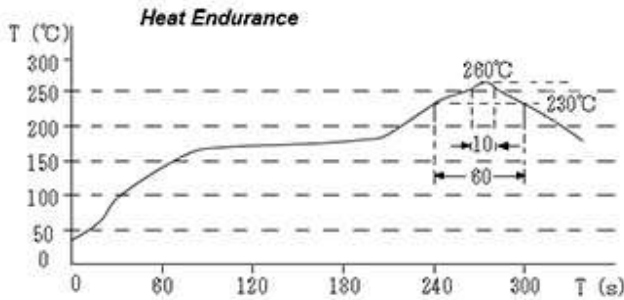
注目の製品

電気的特性

品名	インダクタンス範囲 (μ H) ※1	D.C.R. (m Ω) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ※2	温度上昇電流 (A) Max.(Typ.) ※3
CD6045MBT125DS-1R0MC	1.00 $\pm$ 20%	13.40 (11.20)	11.60 (13.70)	(6.00)
CD6045MBT125DS-1R5MC	1.50 $\pm$ 20%	18.10 (15.20)	10.00 (11.70)	(5.20)
CD6045MBT125DS-2R2MC	2.20 $\pm$ 20%	21.00 (17.50)	7.90 (9.30)	(4.75)
CD6045MBT125DS-3R3MC	3.30 $\pm$ 20%	26.60 (22.20)	6.42 (7.55)	(4.30)
CD6045MBT125DS-4R7MC	4.70 $\pm$ 20%	36.00 (30.00)	5.70 (6.70)	(3.80)
CD6045MBT125DS-6R8MC	6.80 $\pm$ 20%	49.00 (40.80)	5.50 (6.50)	(3.20)
CD6045MBT125DS-100MC	10.00 $\pm$ 20%	68.20 (56.80)	3.80 (4.50)	(2.70)
CD6045MBT125DS-150MC	15.00 $\pm$ 20%	97.80 (81.50)	3.00 (3.50)	(2.20)
CD6045MBT125DS-220MC	22.00 $\pm$ 20%	141.60 (118)	2.50 (2.95)	(1.90)
CD6045MBT125DS-330MC	33.00 $\pm$ 20%	210 (175)	2.20 (2.60)	(1.55)
CD6045MBT125DS-470MC	47.00 $\pm$ 20%	308.50 (257)	1.70 (2.00)	(1.25)
CD6045MBT125DS-680MC	68.00 $\pm$ 20%	423.20 (352)	1.45 (1.70)	(1.05)
CD6045MBT125DS-101MC	100 $\pm$ 20%	632.70 (527)	1.20 (1.40)	(0.85)
CD6045MBT125DS-151MC	150 $\pm$ 20%	989.90 (825)	1.00 (1.20)	(0.65)
CD6045MBT125DS-221MC	220 $\pm$ 20%	1800 (1470)	0.77 (0.90)	(0.47)
CD6045MBT125DS-331MC	330 $\pm$ 20%	2400 (1960)	0.68 (0.80)	(0.40)
CD6045MBT125DS-471MC	470 $\pm$ 20%	2900 (2450)	0.58 (0.68)	(0.36)
CD6045MBT125DS-681MC	680 $\pm$ 20%	4900 (4050)	0.47 (0.55)	(0.29)
CD6045MBT125DS-102MC	1000 $\pm$ 20%	7080 (5900)	0.38 (0.45)	(0.23)

- ※1 Measuring frequency: Inductance at 100kHz, 1V.
※2 Saturation current: The value of DC current when the inductance is over 70% of the initial value.
※3 Temperature rise current: The actual value of DC current when the coil temperature rise is $\Delta T=40^{\circ}\text{C}$.

はんだリフロー条件



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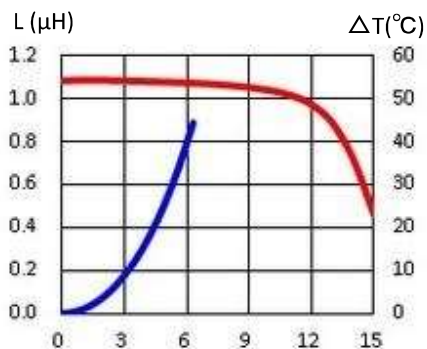


直流重畳電流・温度上昇電流グラフ

— L (20°C)

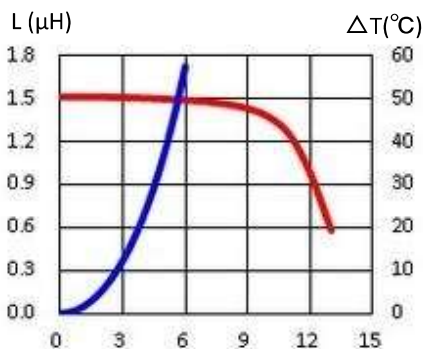
— ΔT

1. CD6045MBT125DS-1R0MC



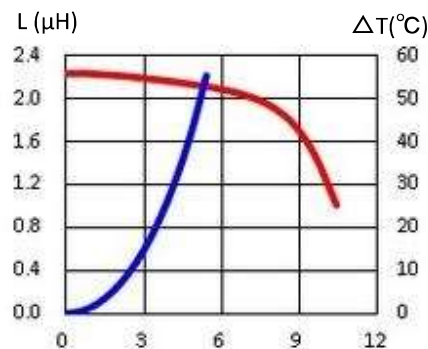
DC(A)

2. CD6045MBT125DS-1R5MC



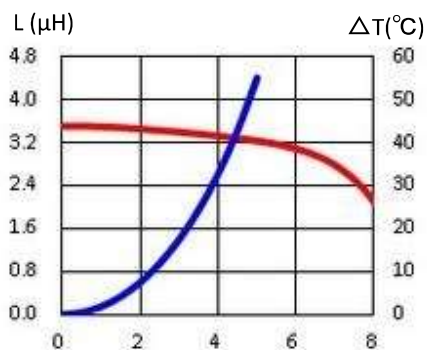
DC(A)

3. CD6045MBT125DS-2R2MC



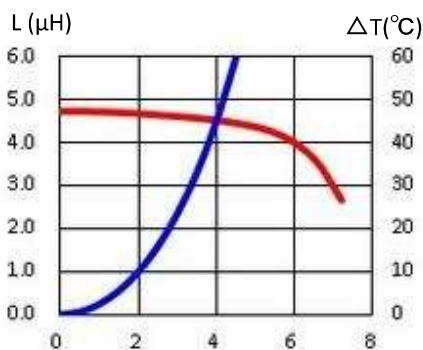
DC(A)

4. CD6045MBT125DS-3R3MC



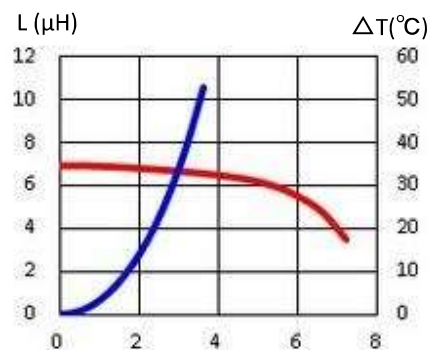
DC(A)

5. CD6045MBT125DS-4R7MC



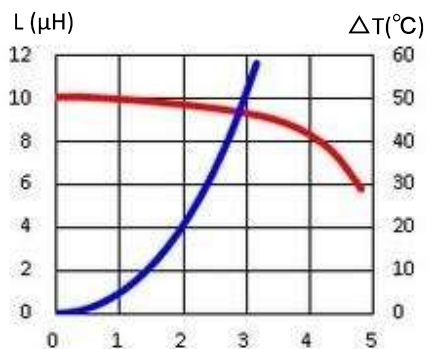
DC(A)

6. CD6045MBT125DS-6R8MC



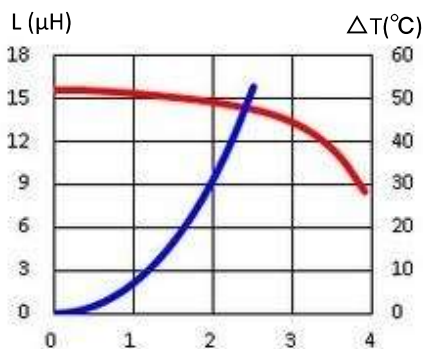
DC(A)

7. CD6045MBT125DS-100MC



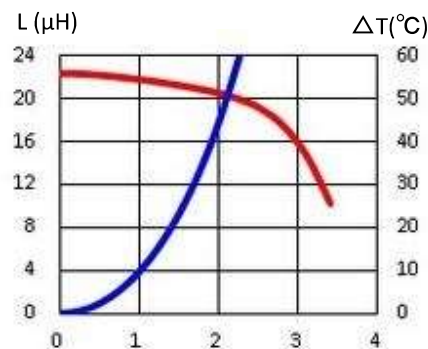
DC(A)

8. CD6045MBT125DS-150MC



DC(A)

9. CD6045MBT125DS-220MC



DC(A)

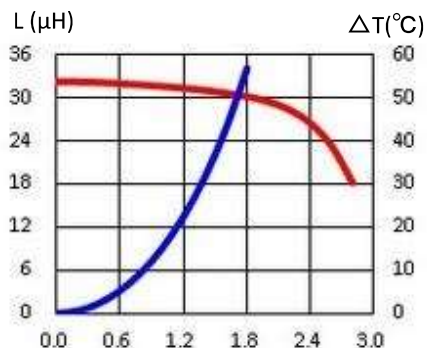
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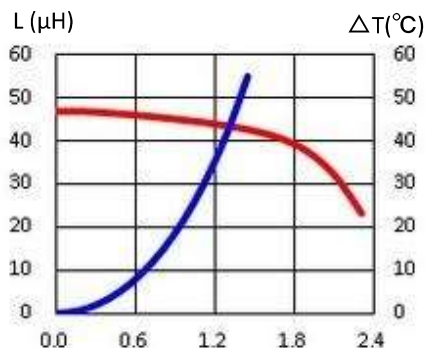


10. CD6045MBT125DS-330MC



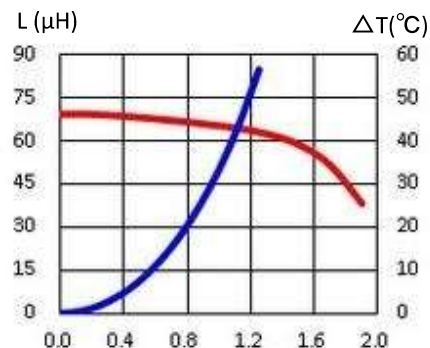
DC(A)

11. CD6045MBT125DS-470MC



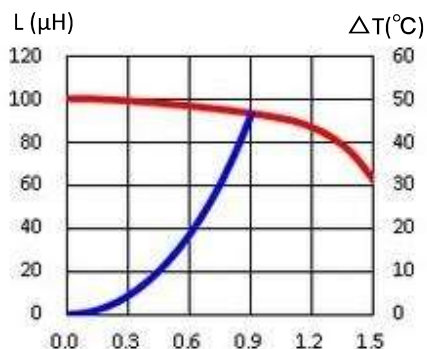
DC(A)

12. CD6045MBT125DS-680MC



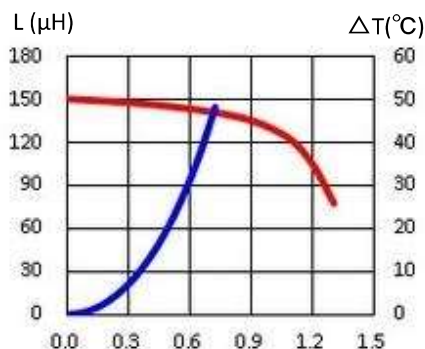
DC(A)

13. CD6045MBT125DS-101MC



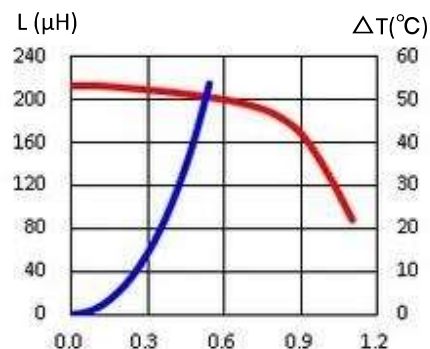
DC(A)

14. CD6045MBT125DS-151MC



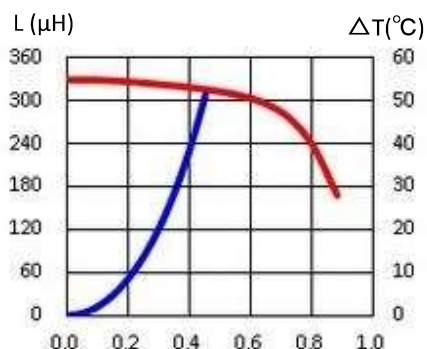
DC(A)

15. CD6045MBT125DS-221MC



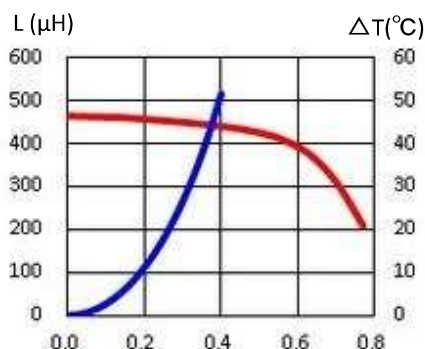
DC(A)

16. CD6045MBT125DS-331MC



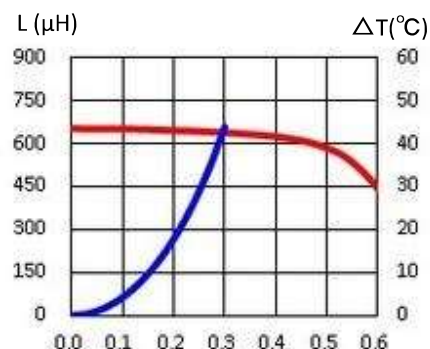
DC(A)

17. CD6045MBT125DS-471MC



DC(A)

18. CD6045MBT125DS-681MC



DC(A)

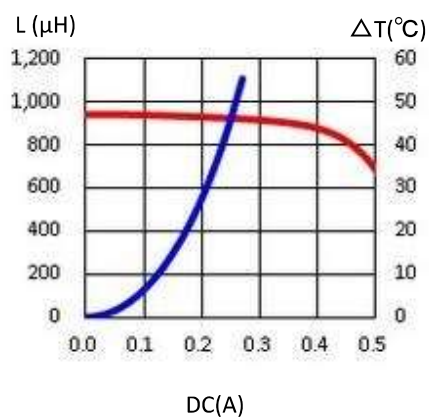
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注目の製品

19. CD6045MBT125DS-102MC



営業所情報のために、当社のウェブサイトを訪問する [ここをクリック](#) してください。