

SMD Power Inductor

YCD322517MB/DS



 sumida

 注目の製品

特性

- Ferrite core construction
- Low profile Resin-shielded
- L × W × H: 3.5 × 2.8 × 1.75mm Max.
- Product weight: 0.05g(Ref.)
- Moisture Sensitivity Level: 1



環境データ

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

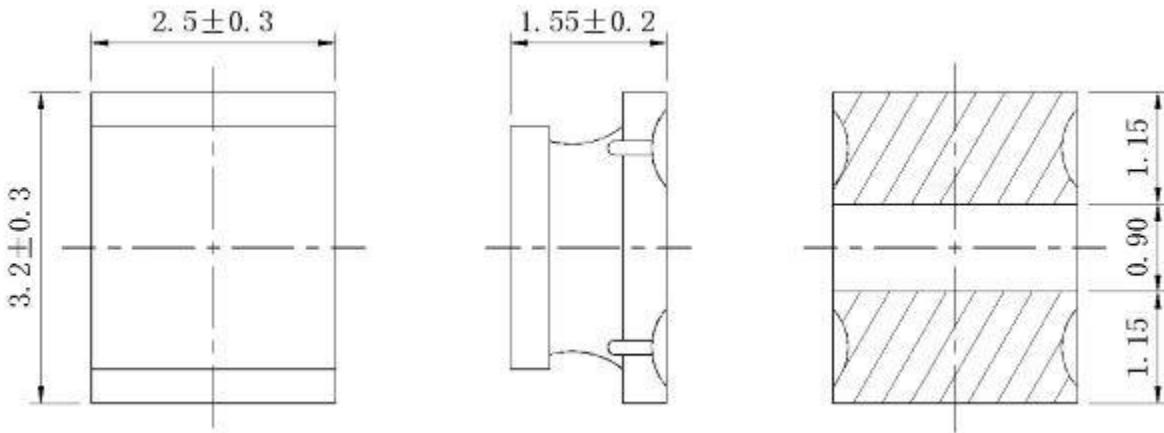
梱包

- Carrier tape and reel packaging
- 2000pcs per reel

用途

- DC/DC converter
- Notebook computers
- Digital video cameras
- Televisions, LCD displays
- HDDs, SSDs, DSCs, PDAs, etc...

外形寸法 - [mm]



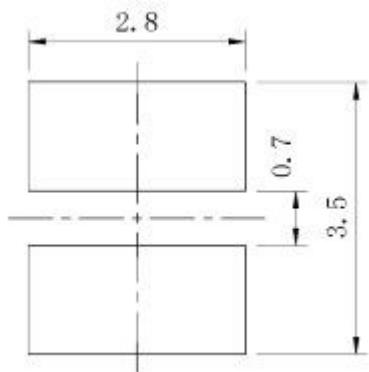
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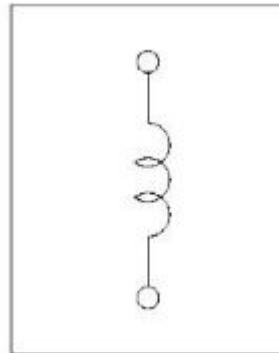
推奨ランド寸法 - [mm]



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注目の製品

結線図



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 注目の製品

電気的特性

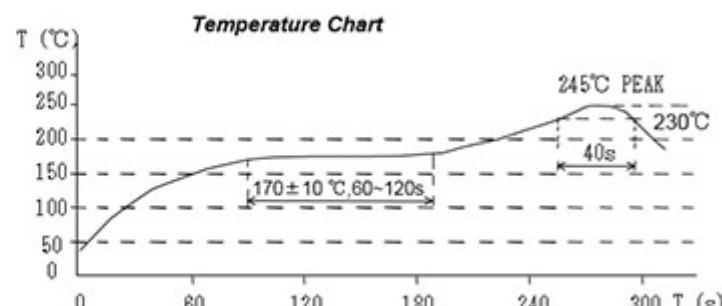
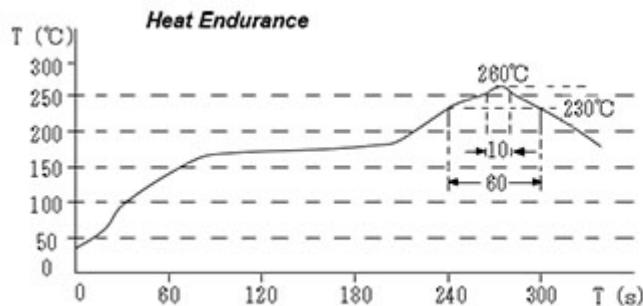
| 品名 | インダクタンス範囲 (μ H) ≈1 | D.C.R. (mΩ) 20°C Max.(Typ.) | 直流重畳電流 (A) Max.(Typ.) ≈2 | 温度上昇電流 (A) Max.(Typ.) ≈3 |
|---------------------|----------------------------|--------------------------------|-----------------------------|--------------------------------|
| YCD322517MBDS-R47NC | 0.47 ± 30% | 36.00 (30.00) | 3.30 (3.90) | 2.80 (3.20) |
| YCD322517MBDS-1R0NC | 1.00 ± 30% | 57.60 (48.00) | 2.10 (2.47) | 2.10 (2.40) |
| YCD322517MBDS-1R5NC | 1.50 ± 30% | 79.20 (66.00) | 1.90 (2.23) | 1.80 (2.00) |
| YCD322517MBDS-2R2MC | 2.20 ± 20% | 113 (94.00) | 1.62 (1.90) | 1.50 (1.70) |
| YCD322517MBDS-3R3MC | 3.30 ± 20% | 180 (150) | 1.23 (1.45) | 1.10 (1.25) |
| YCD322517MBDS-4R7MC | 4.70 ± 20% | 214 (178) | 1.05 (1.24) | 1.05 (1.20) |
| YCD322517MBDS-6R8MC | 6.80 ± 20% | 331 (276) | 0.91 (1.07) | 0.83 (0.95) |
| YCD322517MBDS-100MC | 10.00 ± 20% | 488 (407) | 0.77 (0.91) | 0.70 (0.80) |
| YCD322517MBDS-150MC | 15.00 ± 20% | 730 (608) | 0.60 (0.70) | 0.55 (0.63) |
| YCD322517MBDS-220MC | 22.00 ± 20% | 937 (781) | 0.51 (0.60) | 0.48 (0.55) |
| YCD322517MBDS-330MC | 33.00 ± 20% | 1480 (1230) | 0.40 (0.48) | 0.38 (0.43) |
| YCD322517MBDS-470MC | 47.00 ± 20% | 2410 (2010) | 0.34 (0.40) | 0.30 (0.34) |

※1 Measuring frequency: Inductance 100kHz, 1.0V

※2 Saturation current: This indicates the value of DC current when the inductance is 30% lower than its initial value.

※3 Temperature rise current: The value of DC current when coil's self temperature rise is $\Delta T=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

はんだりフロー条件



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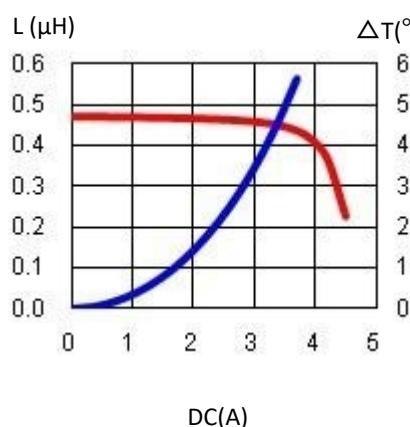


注目の製品

直流重畳電流・温度上昇電流グラフ

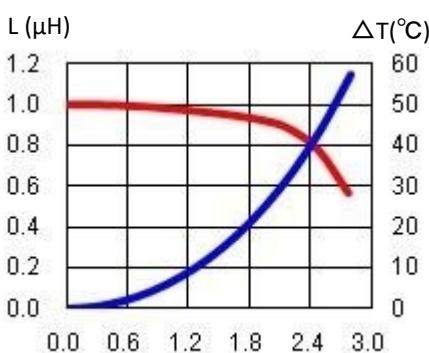
— L (20°C)

1. YCD322517MBDS-R47NC

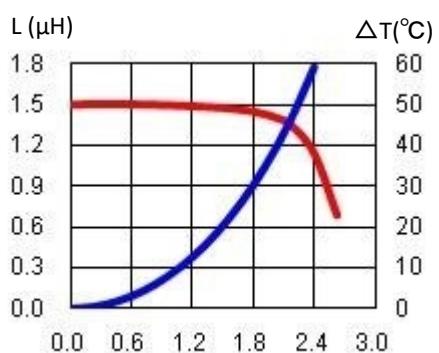


— ΔT

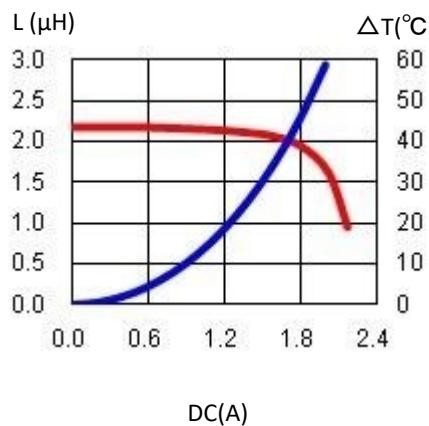
2. YCD322517MBDS-1R0NC



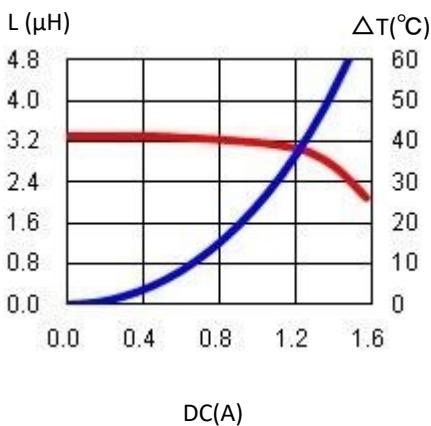
3. YCD322517MBDS-1R5NC



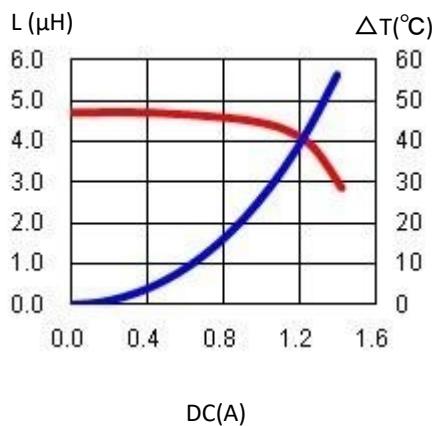
4. YCD322517MBDS-2R2MC



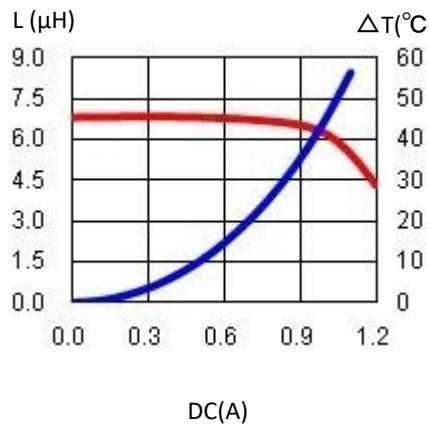
5. YCD322517MBDS-3R3MC



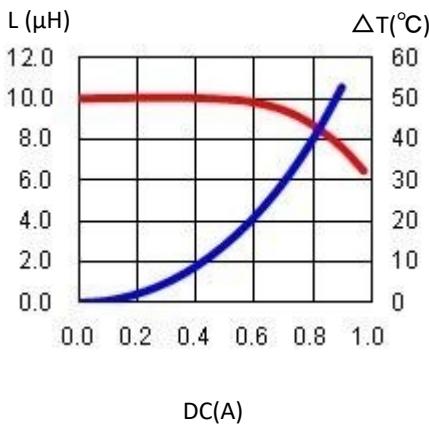
6. YCD322517MBDS-4R7MC



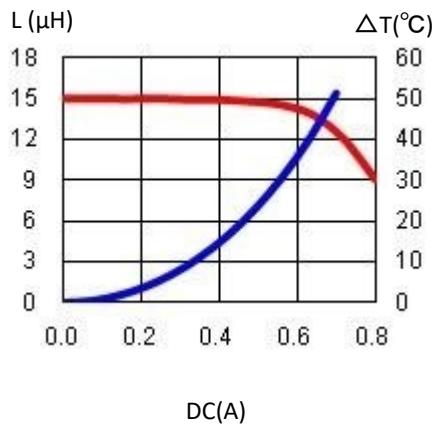
7. YCD322517MBDS-6R8MC



8. YCD322517MBDS-100MC



9. YCD322517MBDS-150MC



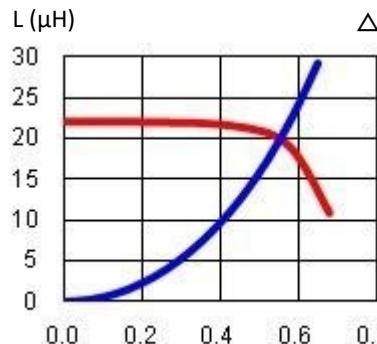
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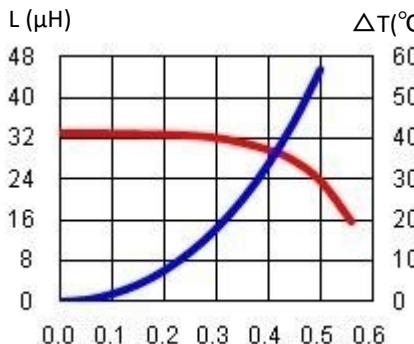


10. YCD322517MBDS-220MC



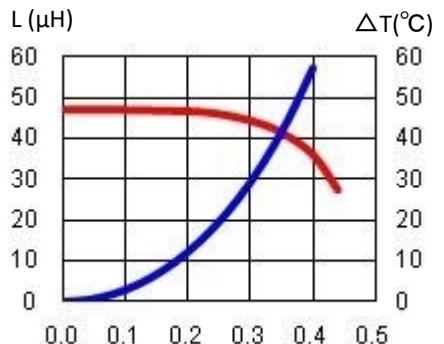
DC(A)

11. YCD322517MBDS-330MC



DC(A)

12. YCD322517MBDS-470MC



DC(A)



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。