

SMD Power Inductor

YCD322517MB/DS



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)

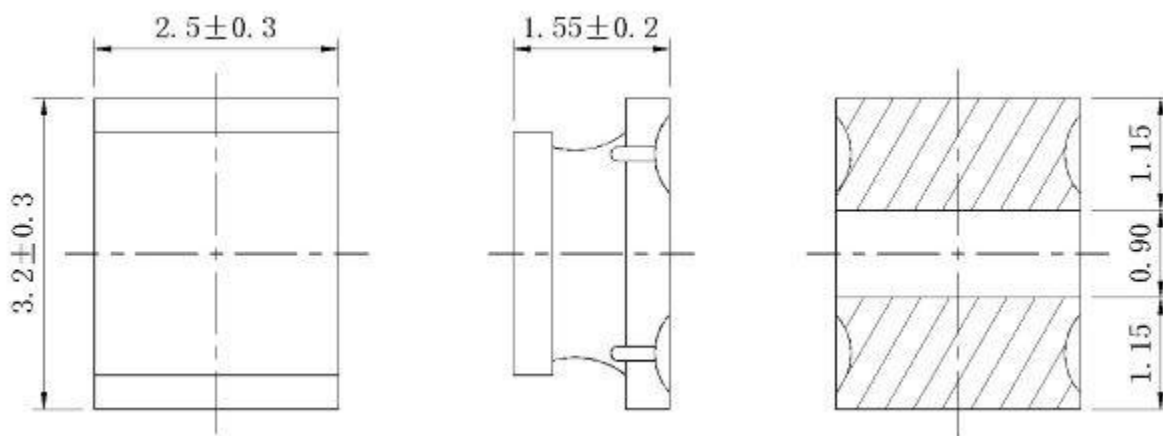
梱包

- 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]

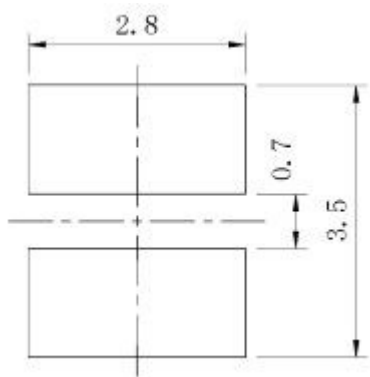


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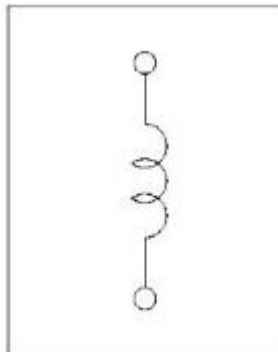
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推奨ランド寸法 - [mm]



結線図





電氣的特性

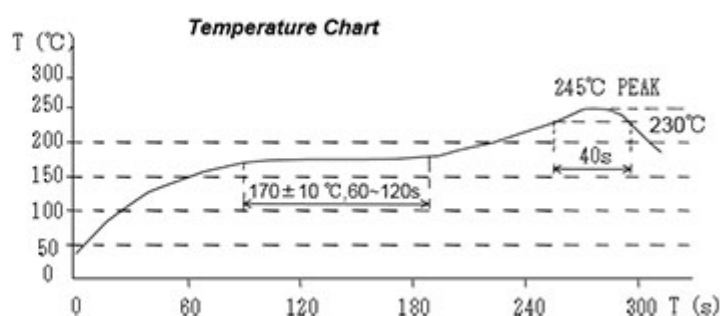
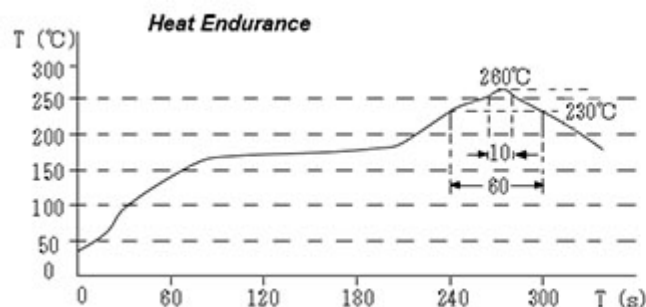
品名	インダクタンス範囲 (μ H) ※1	D.C.R. (m Ω) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ※2	温度上昇電流 (A) Max.(Typ.) ※3
YCD322517MBDS-R47NC	0.47 \pm 30%	36.00 (30.00)	3.30 (3.90)	2.80 (3.20)
YCD322517MBDS-1R0NC	1.00 \pm 30%	57.60 (48.00)	2.10 (2.47)	2.10 (2.40)
YCD322517MBDS-1R5NC	1.50 \pm 30%	79.20 (66.00)	1.90 (2.23)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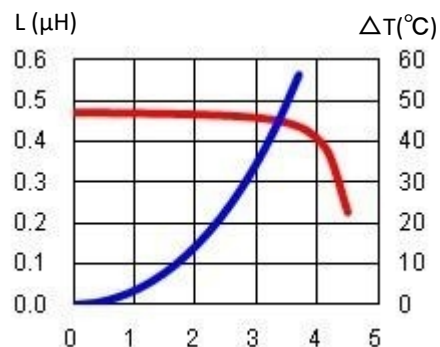


直流重畳電流・温度上昇電流グラフ

— L (20°C)

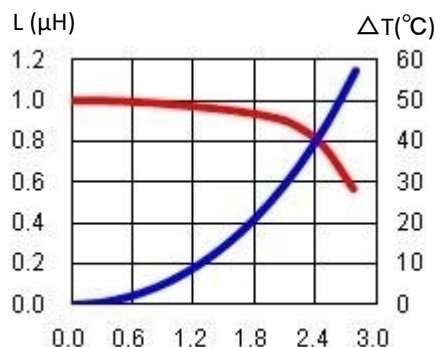
— ΔT

1. YCD322517MBDS-R47NC



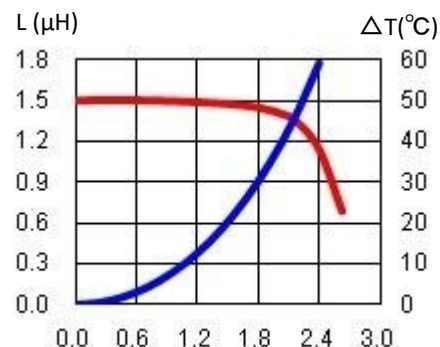
DC(A)

2. YCD322517MBDS-1R0NC



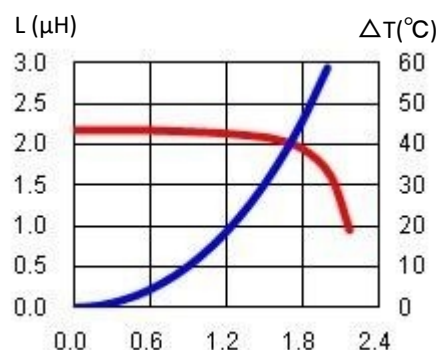
DC(A)

3. YCD322517MBDS-1R5NC



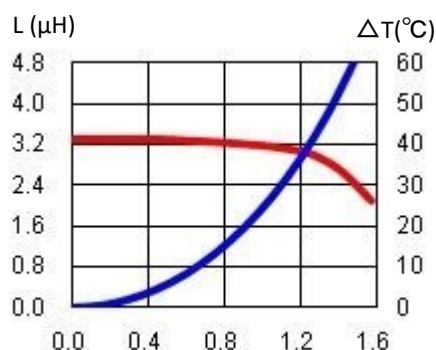
DC(A)

4. YCD322517MBDS-2R2MC



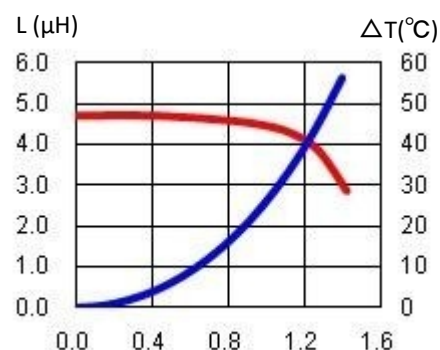
DC(A)

5. YCD322517MBDS-3R3MC



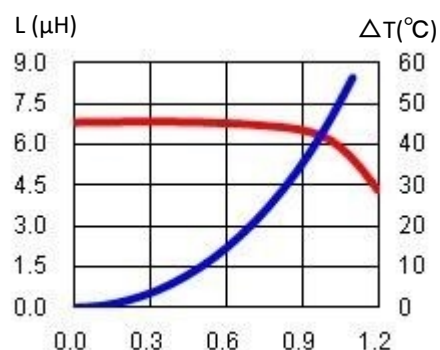
DC(A)

6. YCD322517MBDS-4R7MC



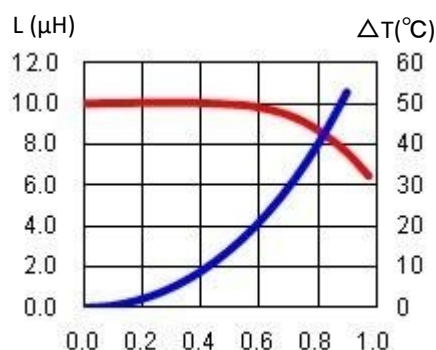
DC(A)

7. YCD322517MBDS-6R8MC



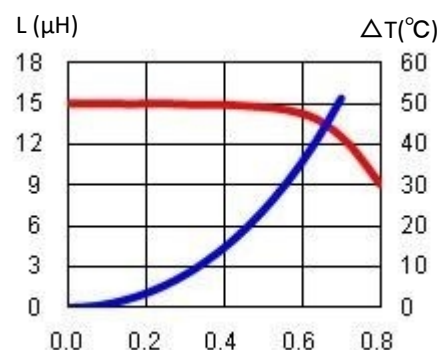
DC(A)

8. YCD322517MBDS-100MC



DC(A)

9. YCD322517MBDS-150MC



DC(A)

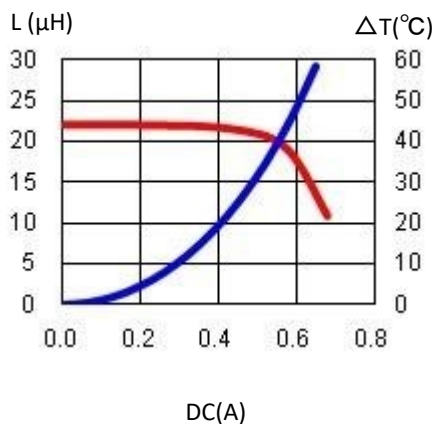
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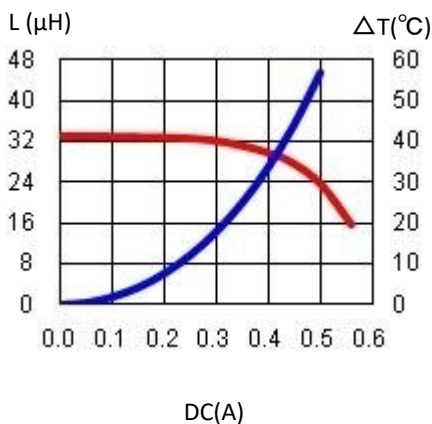
YCD322517MB/DS



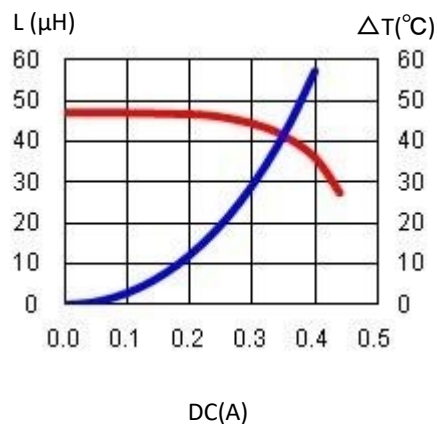
10. YCD322517MBDS-220MC



11. YCD322517MBDS-330MC



12. YCD322517MBDS-470MC



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。