

SMD Power Inductor

YCD453229MB/DS



特性

- Ferrite core construction
- Low profile Resin-shielded
- L × W × H: 4.8 × 3.5 × 2.9mm Max.
- Product weight: 0.14g(Ref.)
- Moisture Sensitivity Level: 1

sumida

注目の製品



環境データ

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

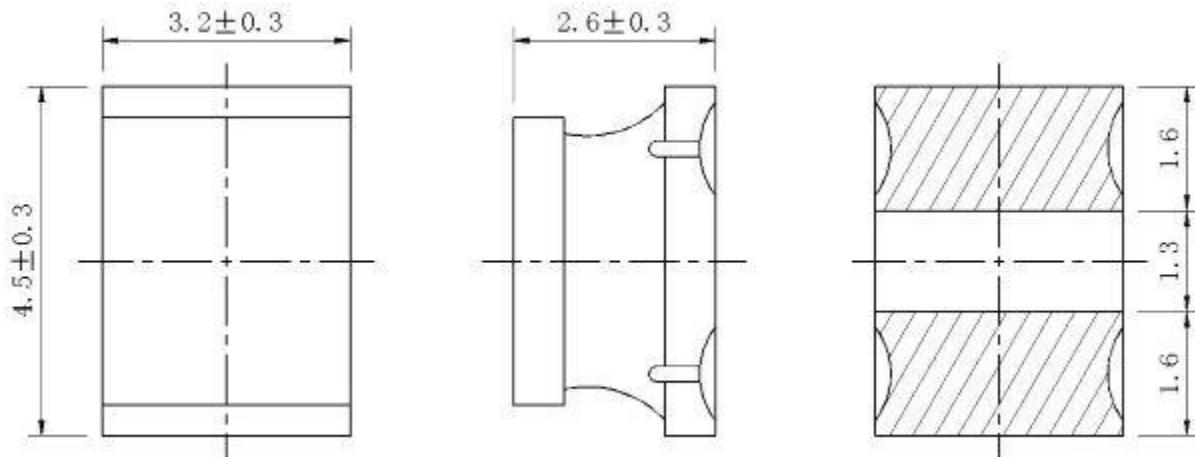
梱包

- 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]



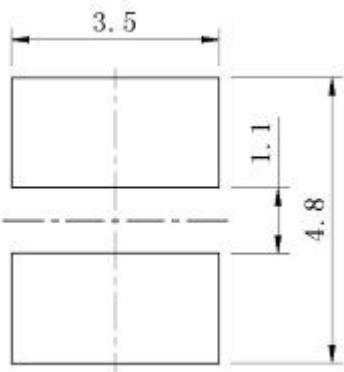
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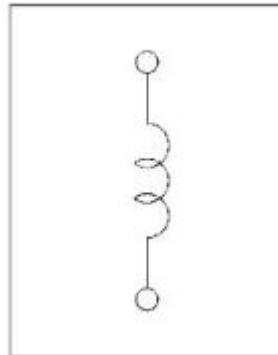
推奨ランド寸法 - [mm]



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注目の製品

結線図



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電気的特性

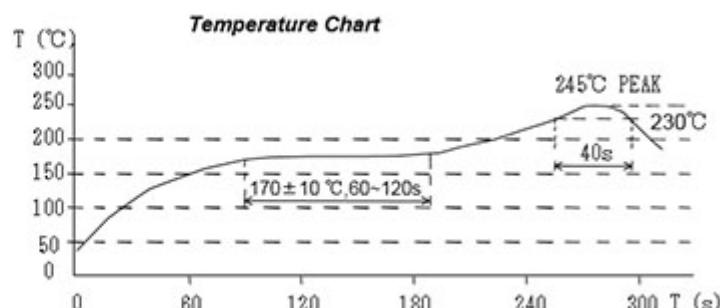
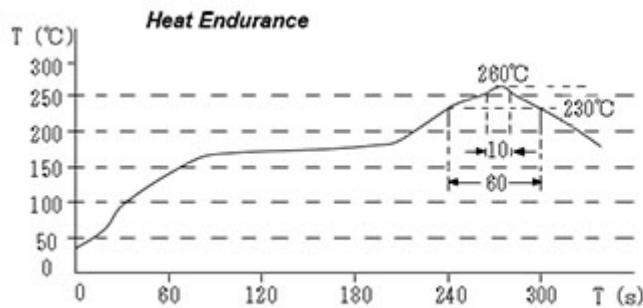
品名	インダクタンス範囲 (μ H) ≈1	D.C.R. (mΩ) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ≈2	温度上昇電流 (A) Max.(Typ.) ≈3
YCD453229MBDS-1R0NC	1.00 ± 30%	37.20 (31.00)	4.89 (5.46)	3.00 (3.50)
YCD453229MBDS-1R5NC	1.50 ± 30%	51.60 (43.00)	4.00 (4.47)	2.50 (2.80)
YCD453229MBDS-2R2MC	2.20 ± 20%	64.80 (54.00)	3.29 (3.67)	2.25 (2.50)
YCD453229MBDS-3R3MC	3.30 ± 20%	86.40 (72.00)	2.50 (2.79)	1.90 (2.15)
YCD453229MBDS-4R7MC	4.70 ± 20%	123 (103)	2.21 (2.47)	1.50 (1.70)
YCD453229MBDS-6R8MC	6.80 ± 20%	150 (125)	1.74 (1.95)	1.40 (1.58)
YCD453229MBDS-100MC	10.00 ± 20%	261 (218)	1.58 (1.77)	1.00 (1.15)
YCD453229MBDS-150MC	15.00 ± 20%	332 (276)	1.27 (1.42)	0.93 (1.05)
YCD453229MBDS-220MC	22.00 ± 20%	466 (389)	1.07 (1.20)	0.76 (0.86)
YCD453229MBDS-330MC	33.00 ± 20%	688 (573)	0.86 (0.96)	0.63 (0.72)
YCD453229MBDS-470MC	47.00 ± 20%	1020 (847)	0.74 (0.83)	0.52 (0.59)
YCD453229MBDS-680MC	68.00 ± 20%	1230 (1020)	0.54 (0.60)	0.46 (0.52)
YCD453229MBDS-101MC	100 ± 20%	1940 (1610)	0.50 (0.55)	0.38 (0.43)
YCD453229MBDS-151MC	150 ± 20%	2940 (2450)	0.35 (0.40)	0.31 (0.35)
YCD453229MBDS-221MC	220 ± 20%	4280 (3560)	0.30 (0.33)	0.25 (0.28)

※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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YCD453229MB/DS

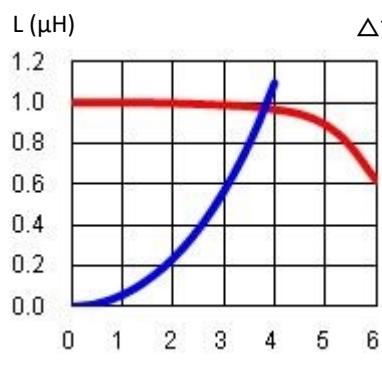


注目の製品

直流重畳電流・温度上昇電流グラフ

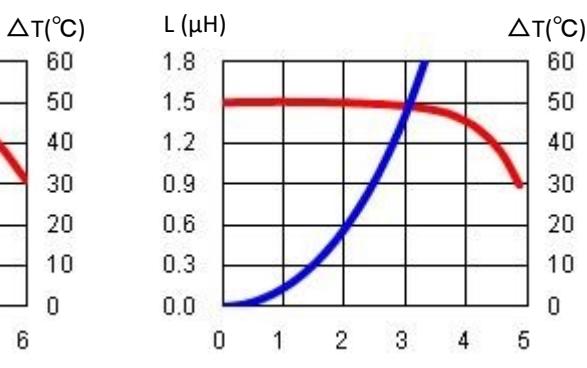
— L (20°C)

1. YCD453229MBDS-1R0NC

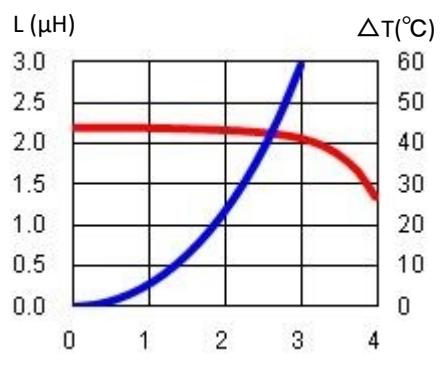


— ΔT

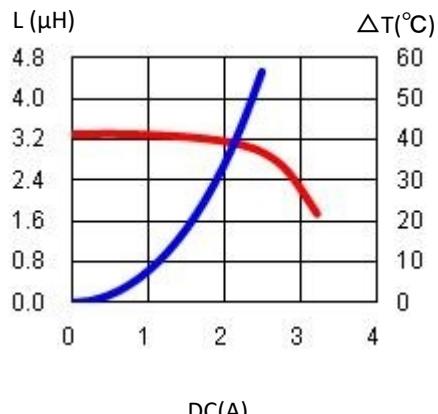
2. YCD453229MBDS-1R5NC



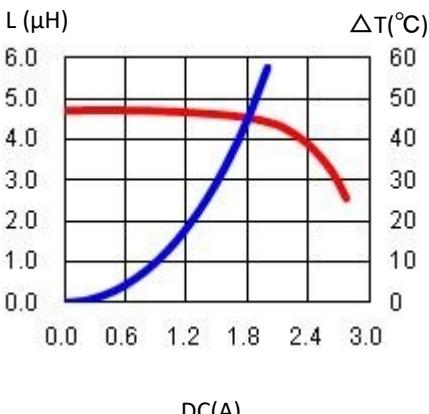
3. YCD453229MBDS-2R2MC



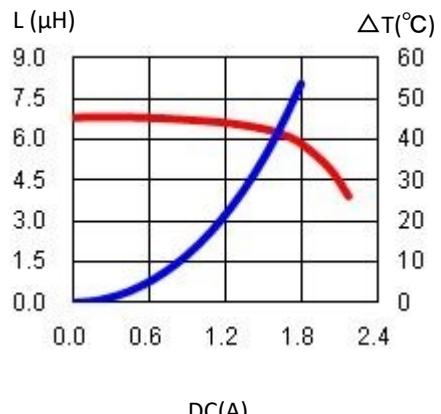
4. YCD453229MBDS-3R3MC



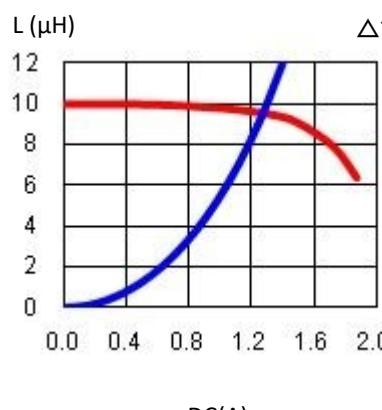
5. YCD453229MBDS-4R7MC



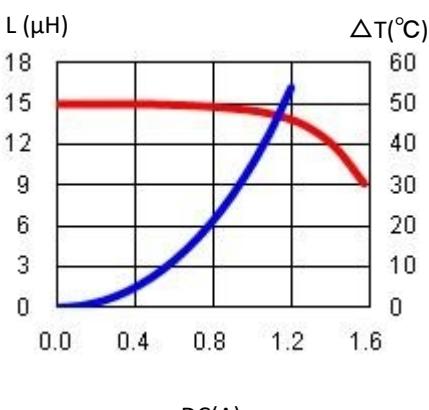
6. YCD453229MBDS-6R8MC



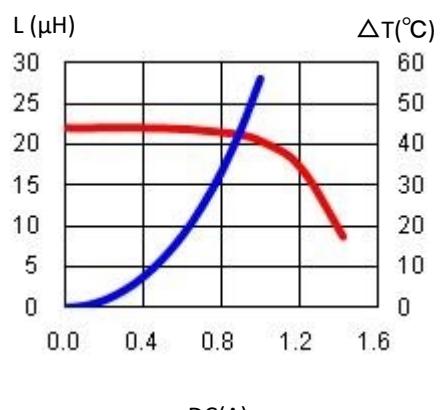
7. YCD453229MBDS-100MC



8. YCD453229MBDS-150MC



9. YCD453229MBDS-220MC



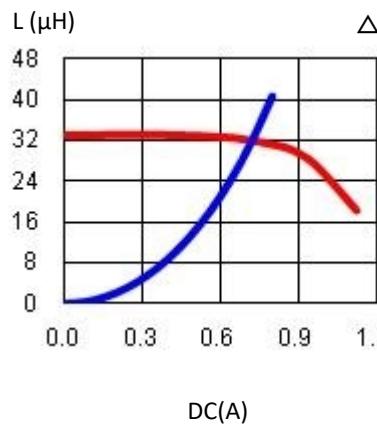
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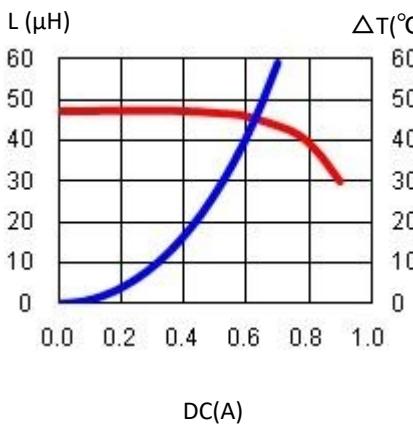
YCD453229MB/DS



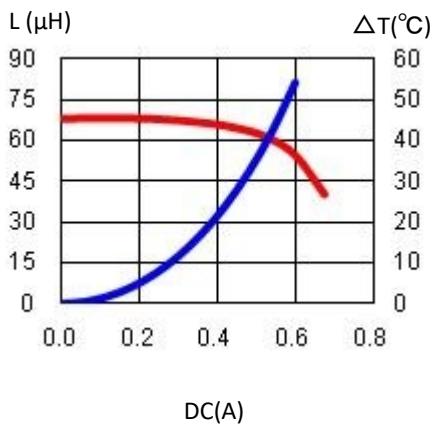
10. YCD453229MBDS-330MC



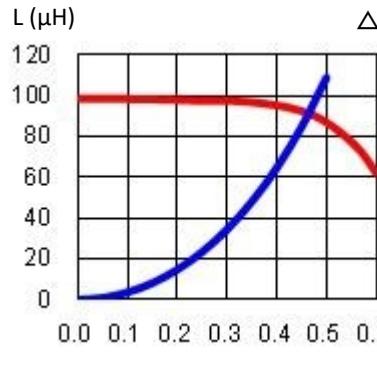
11. YCD453229MBDS-470MC



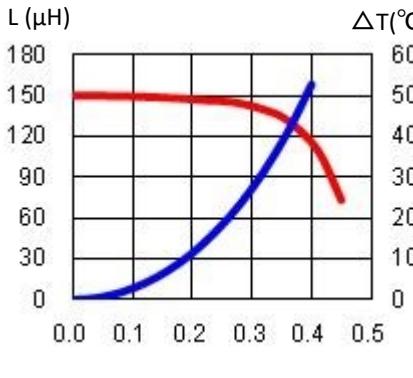
12. YCD453229MBDS-680MC



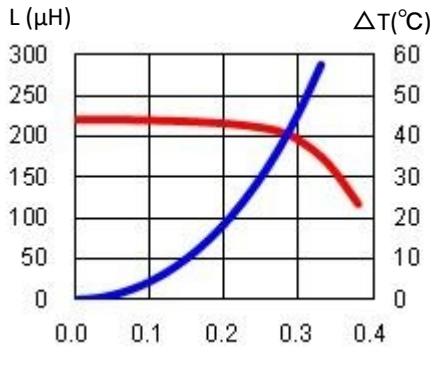
13. YCD453229MBDS-101MC



14. YCD453229MBDS-151MC



15. YCD453229MBDS-221MC



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。