

# SMD Power Inductor

## YCD453229MB/DS



注目の製品

### 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



### 環境データ

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

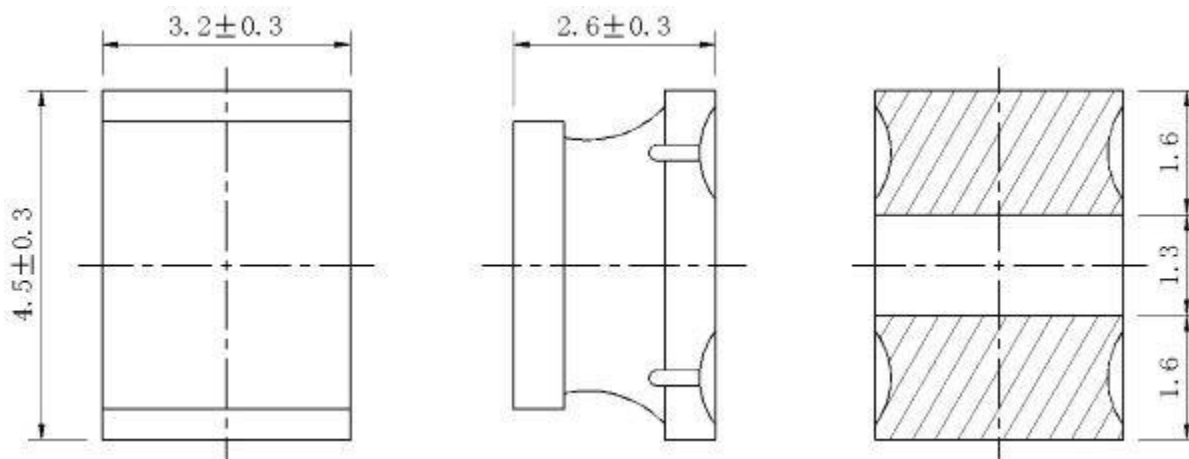
### 梱包

- 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]

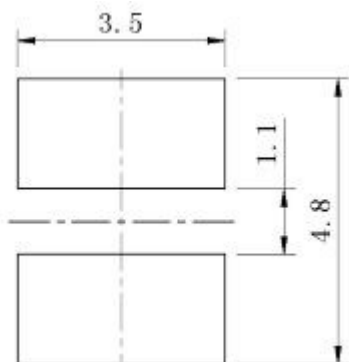


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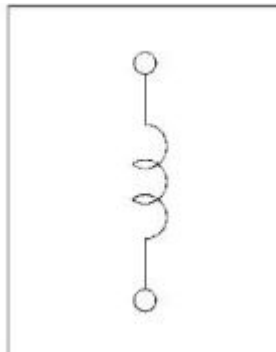
YCD453229MB/DS



## 推奨ランド寸法 - [mm]



## 結線図





## 電氣的特性

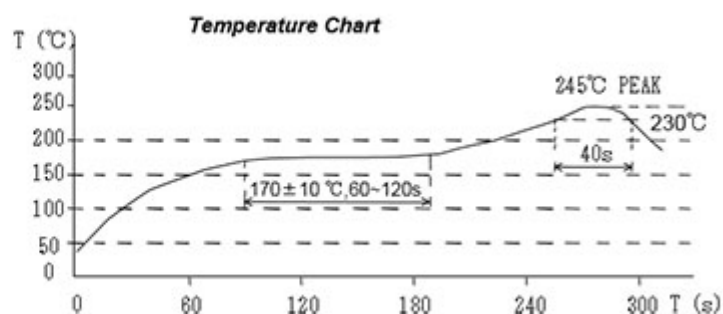
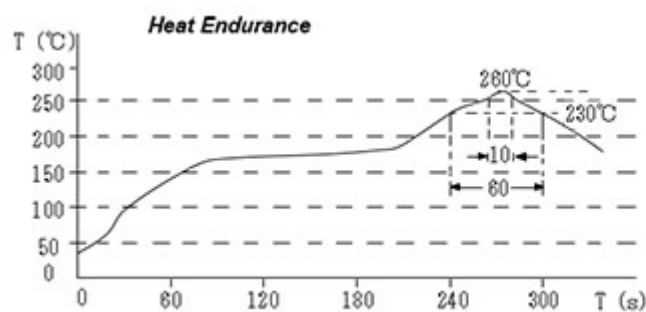
品名	インダクタンス範囲 ( $\mu$ H) ※1	D.C.R. (m $\Omega$ ) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ※2	温度上昇電流 (A) Max.(Typ.) ※3
YCD453229MBDS-1R0NC	1.00 $\pm$ 30%	37.20 (31.00)	4.89 (5.46)	3.00 (3.50)
YCD453229MBDS-1R5NC	1.50 $\pm$ 30%	51.60 (43.00)	4.00 (4.47)	2.50 (2.80)
YCD453229MBDS-2R2MC	2.20 $\pm$ 20%	64.80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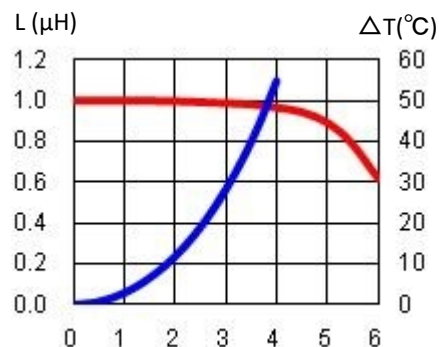


## 直流重畳電流・温度上昇電流グラフ

— L (20°C)

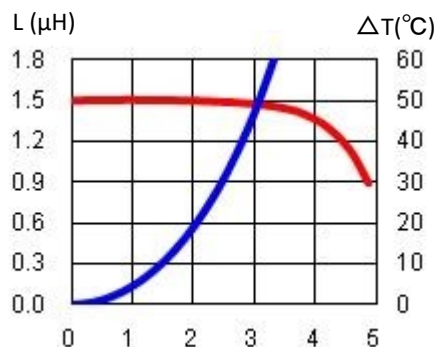
—  $\Delta T$

1. YCD453229MBDS-1R0NC



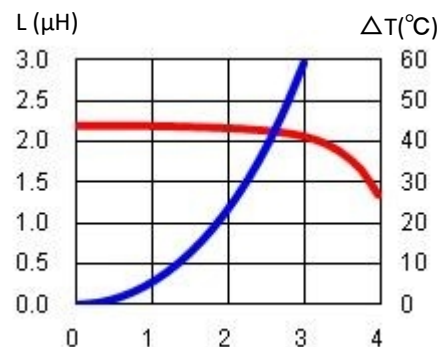
DC(A)

2. YCD453229MBDS-1R5NC



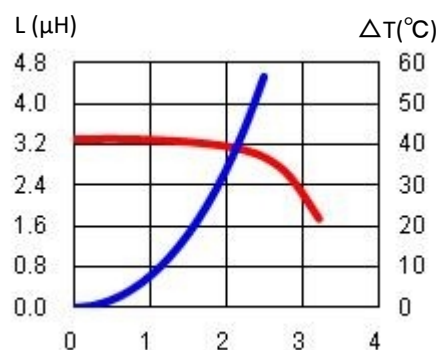
DC(A)

3. YCD453229MBDS-2R2MC



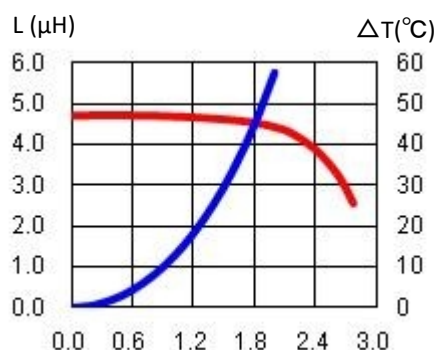
DC(A)

4. YCD453229MBDS-3R3MC



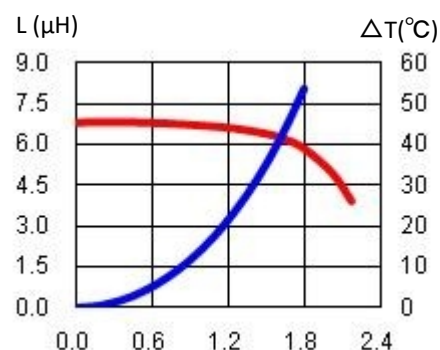
DC(A)

5. YCD453229MBDS-4R7MC



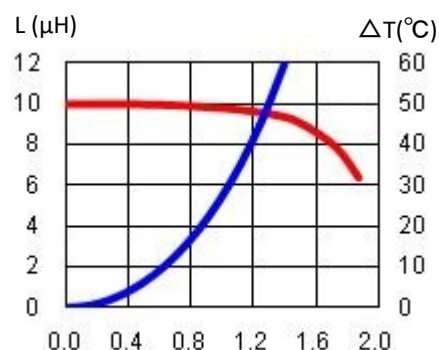
DC(A)

6. YCD453229MBDS-6R8MC



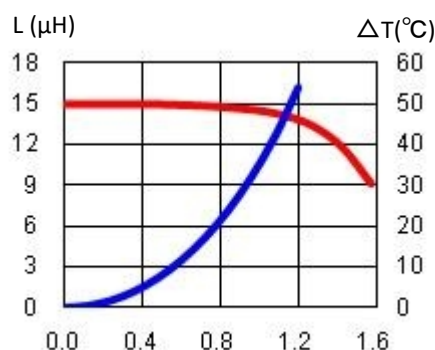
DC(A)

7. YCD453229MBDS-100MC



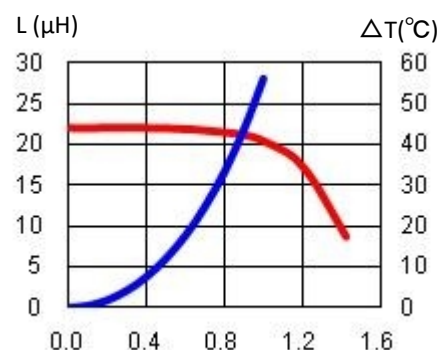
DC(A)

8. YCD453229MBDS-150MC



DC(A)

9. YCD453229MBDS-220MC



DC(A)

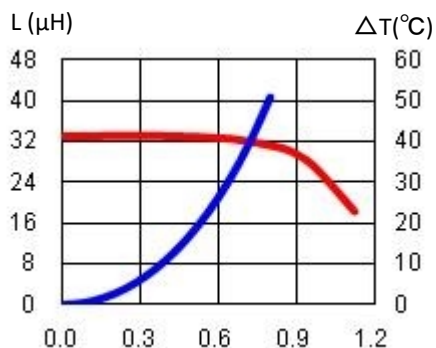
備考: 本仕様書は、製品の改善等により記載内容を予告なく変更することがありますのでご了承ください。また、ご注文の際のお問い合わせは、最寄りの地域営業へご連絡ください。

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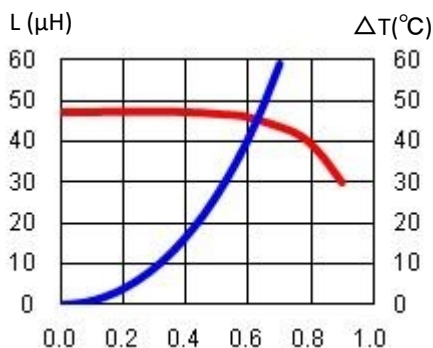


10. YCD453229MBDS-330MC



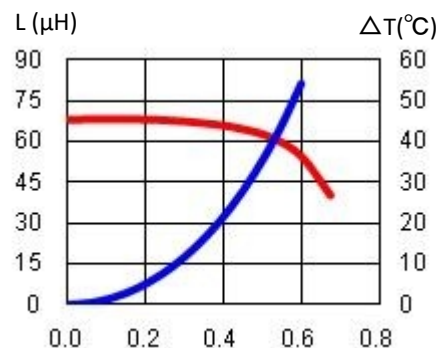
DC(A)

11. YCD453229MBDS-470MC



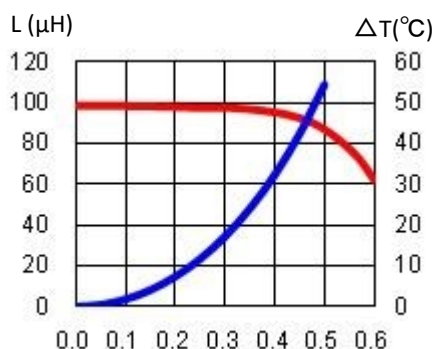
DC(A)

12. YCD453229MBDS-680MC



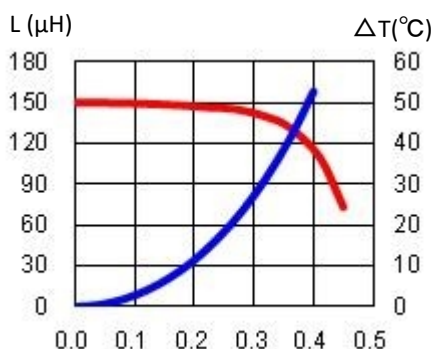
DC(A)

13. YCD453229MBDS-101MC



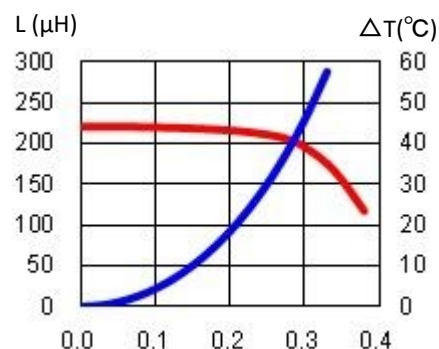
DC(A)

14. YCD453229MBDS-151MC



DC(A)

15. YCD453229MBDS-221MC



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。