

SMD Power Inductor

CYRS3015T150/DS



注目の製品

特性

- Ferrite Resin Shielded Type
- Magnetically shielded
- L × W × H: 3.2 × 3.2 × 1.5mm Max.
- Absolute maximum voltage (across inductor): 250V
- Product weight: 0.05g (Ref.)
- Moisture Sensitivity Level: 1
- AEC-Q200 qualified



環境データ

- Operating temperature range: -55°C ~ +150°C (including coil's temperature rise.)

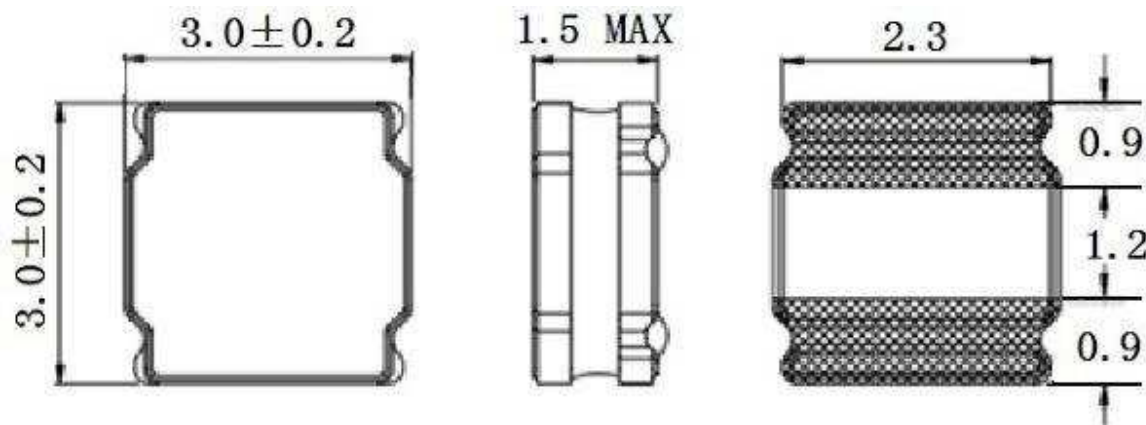
梱包

- Carrier tape and reel packaging
- 2000pcs per reel

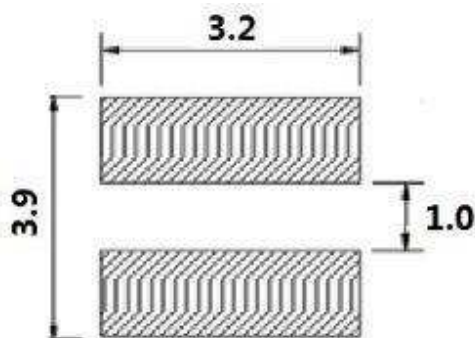
用途

- Suitable for DC/DC converters in ECUs, and other high-reliability designs for automotive applications (Note: these products are not intended for use in Airbag or Braking System applications)

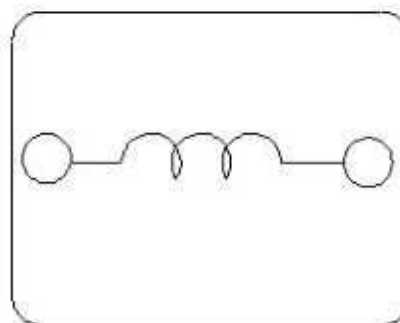
外形寸法 - [mm]



推奨ランド寸法 - [mm]



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. (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
CYRS3015T150DS-1R0NC	1.00 \pm 30%	40.00 (35.00)	2.30 (2.60)	3.00 (3.50)
CYRS3015T150DS-2R2NC	2.20 \pm 30%	65.00 (57.00)	1.40 (1.65)	2.50 (2.90)
CYRS3015T150DS-3R3MC	3.30 \pm 20%	101 (88.00)	1.29 (1.52)	1.79 (2.24)
CYRS3015T150DS-4R7MC	4.70 \pm 20%	130 (110)	1.10 (1.30)	1.60 (2.00)
CYRS3015T150DS-6R8MC	6.80 \pm 20%	192 (168)	0.95 (1.20)	1.08 (1.35)
CYRS3015T150DS-100MC	10.00 \pm 20%	286 (238)	0.67 (0.80)	0.90 (1.20)
CYRS3015T150DS-220MC	22.00 \pm 20%	600 (550)	0.45 (0.60)	0.75 (0.90)

※1 Measuring frequency at 100kHz, 1V.

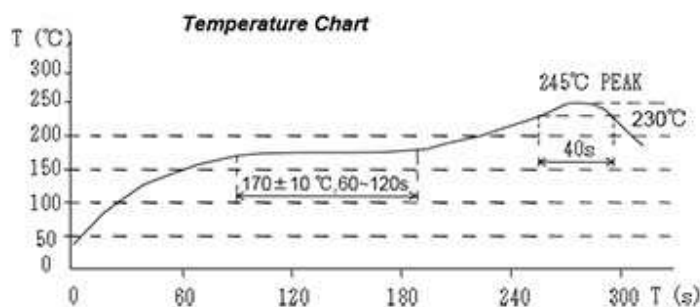
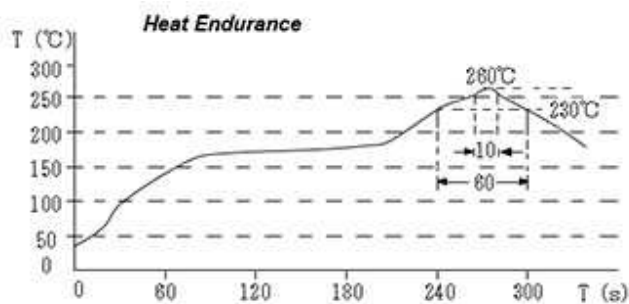
※2 Saturation current: The value of DC current when the inductance becomes 30% lower than its initial value.

※3 Temperature rise current: The value of DC current when the temperature of coil becomes $\Delta T=40^\circ\text{C}$ ($T_a=25^\circ\text{C}$).

※ The allowable current shall be defined smaller value of either the saturation current or the temperature rise current, when being generated DC current.

※ Within a suitable application, the part temperature depends on circuit design and certain heat dissipation conditions. This should be checked in a worst case operation mode. In normal case, the max standard operating temperature of $+150^\circ\text{C}$ should not be exceeded.

はんだリフロー条件



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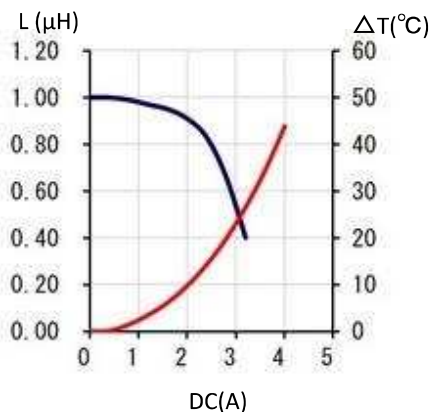
注目の製品

直流重畳電流・温度上昇電流グラフ

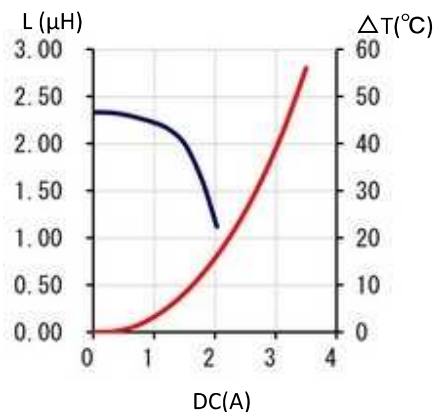
— L (20°C)

— ΔT

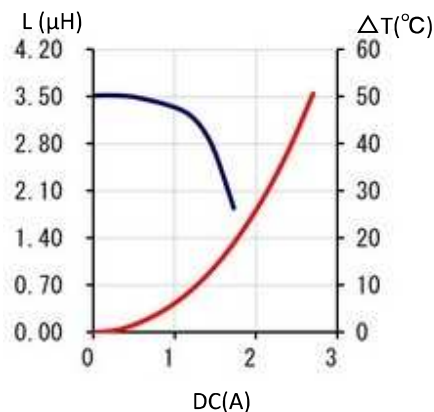
1. CYRS3015T150DS-1R0NC



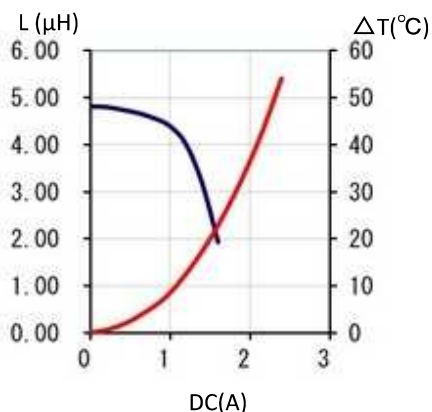
2. CYRS3015T150DS-2R2NC



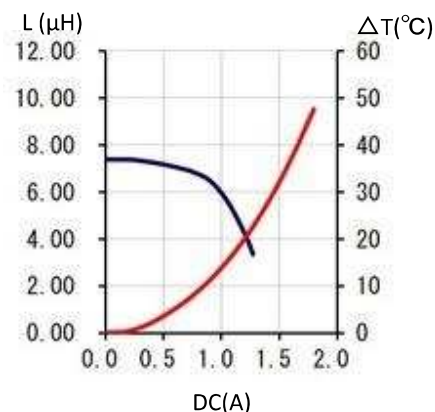
3. CYRS3015T150DS-3R3MC



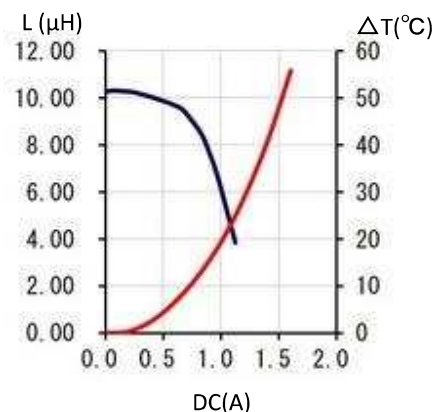
4. CYRS3015T150DS-4R7MC



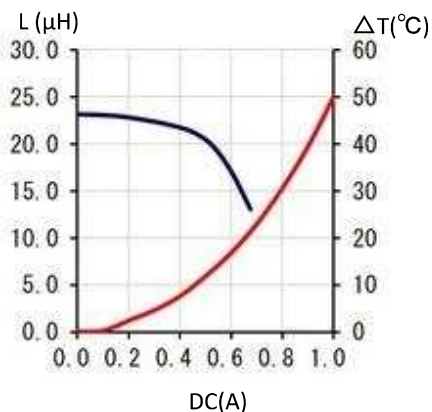
5. CYRS3015T150DS-6R8MC



6. CYRS3015T150DS-100MC



7. CYRS3015T150DS-220MC



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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。