

SINLOON®

閉磁式功率電感
Inductance Range: 4.7 μ H ~ 100 μ H

Type: CR8040 Series
SMT Shielded Power Inductors

SMT Shielded Power Inductors

Part No. Inductance Range:
CR8040 4.7 μ H ~ 100 μ H

Figure



Feature

- ◆ Magnetically shielded construction (閉磁路構造設計)
- ◆ Compact and thin (輕便薄小)
- ◆ Large Current and Low DCR (大電流低直流阻抗)

Applications

- ◆ DC-DC converter of portable equipment. (攜帶機器之直流轉換器)
- ◆ Camcorder, LCD television set, Digital camera, P.D.A., Notebook. (攝影機、液晶電視、數位相機、P.D.A.、筆記型電腦)
- ◆ Large Current and Low DCR (大電流低值阻抗)

Ordering

Product Identification of Part Number

Type: Ex. CR8040-4R7N

* See Product Part of Number

Tolerance:

K \pm 10%; L \pm 15%; M \pm 20%; N \pm 30%

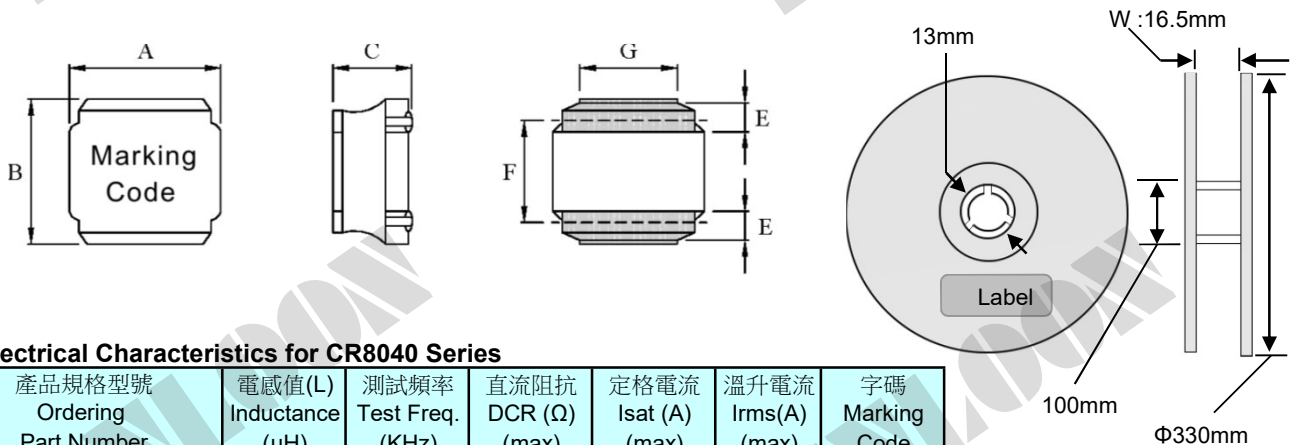
Configurations & Dimension

Unit:mm

| TYPE | A (max) | B (max) | C (max) | E | F | G | W | Reel tape (Φ) | Packing Quantity |
|--------|---------------|---------------|------------|---------------|---------------|---------------|------|-------------------------|---------------------|
| CR8040 | 8.0 \pm 0.3 | 8.0 \pm 0.3 | 4.5 | 1.6 \pm 0.3 | 5.6 \pm 0.3 | 5.5 \pm 0.4 | 16.5 | 330 | 1000pcs |

※Design as Customers Requested Specifications (可依特殊需求設計生產)

Reel Type Dimension



Electrical Characteristics for CR8040 Series

| 產品規格型號 Ordering Part Number | 電感值(L) Inductance (μ H) | 測試頻率 Test Freq. (KHz) | 直流阻抗 DCR (Ω) (max) | 定格電流 Isat (A) (max) | 溫升電流 Irms(A) (max) | 字碼 Marking Code |
|-----------------------------------|------------------------------------|-----------------------------|-----------------------------------|---------------------------|--------------------------|-----------------------|
| CR8040-4R7N | 4R7 | 100 | 34.0 | 4.70 | 4.10 | 4R7 |
| CR8040-8R2N | 8R2 | 100 | 45.5 | 4.00 | 3.80 | 8R2 |
| CR8040-100M | 10.0 | 100 | 52.0 | 3.40 | 3.10 | 100 |
| CR8040-150M | 15 | 100 | 68.0 | 2.70 | 2.40 | 150 |
| CR8040-220M | 22 | 100 | 86.0 | 2.20 | 2.20 | 220 |
| CR8040-330M | 33 | 100 | 130.0 | 1.90 | 1.70 | 330 |
| CR8040-470M | 47 | 100 | 195.0 | 1.50 | 1.40 | 470 |
| CR8040-560M | 56 | 100 | 240.5 | 1.30 | 1.20 | 560 |
| CR8040-680M | 68 | 100 | 299.0 | 1.20 | 1.10 | 680 |
| CR8040-101M | 100 | 100 | 390.0 | 1.00 | 1.00 | 101 |

※Test Frequency: 100KHz / 1V

※ Operating Temperature: -40 $^{\circ}$ C ~ +85 $^{\circ}$ C

※ Inductance drop : 30% typ at Isat

※ Δ T : 40 $^{\circ}$ C rise at Irms

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※美隆公司產品規格及其特性參數的改變或更新恕不另行通知。 ※Mayloen characteristic parameters of electronic product specification changes or updates without notice to improve.