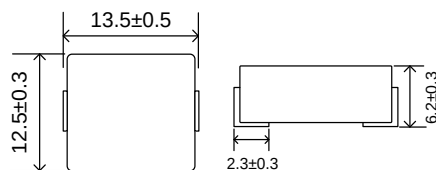




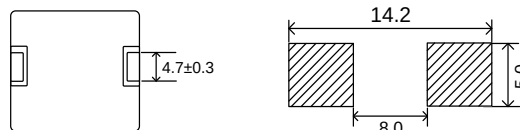
Type: CDMC1265



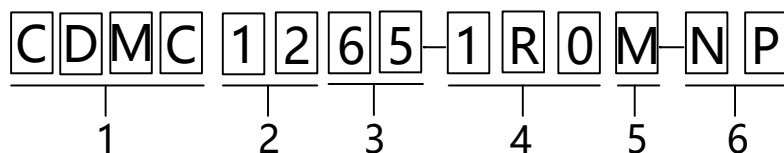
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : CDMC (shield/屏蔽)
2. Body length/產品長度 : mm
3. Body height/產品高度 : mm
4. Inductance/感量 :  $\mu\text{H}$
5. Tolerance/公差 : M  $\pm 20\%$ , N  $\pm 30\%$
6. RoHs Compliant(SGS Certified)

本產品滿足環境保護要求(有害物質限用)



FEATURES:

- Quantity/reel:500PCS.
- Square 13.5mm type(14.0mm Max),Height 6.5mm Max.
- Carbonyl Powder.
- High current,low DCR,high efficiency.
- Widely use in DC-DC converter/Notebook/CPU/  
Portable communications equipment/Camcorders/HDTV/car audio .

特長:

- 數量/卷:500PCS.
- 方形13.5mm(14.0mm Max),高度6.5mm Max.
- 材質羰基粉.
- 大電流, 低直流電阻, 高效率.
- 廣泛應用於升降壓轉換器/筆記本電腦/電腦主板/  
便攜式通訊設備/攝像機/高清電視/汽車音響.

ELECTRICAL CHARACTERISTICS/電氣特性

| Part NO.<br>品名 | Inductance<br>電感量( $\mu\text{H}$ ) | Tolerance<br>公差(%) | D.C.R. 直流電阻      |                  | I sat(Typ.)<br>飽和電流(A) | I rms(Typ.)<br>溫升電流(A) |
|----------------|------------------------------------|--------------------|------------------|------------------|------------------------|------------------------|
|                |                                    |                    | Typ(m $\Omega$ ) | Max(m $\Omega$ ) |                        |                        |
| CDMC1265-R22   | 0.22                               | M                  | 0.47             | 0.60             | 112.0                  | 53.0                   |
| CDMC1265-R33   | 0.33                               | M                  | 0.65             | 0.80             | 68.0                   | 46.0                   |
| CDMC1265-R36   | 0.36                               | M                  | 0.70             | 0.90             | 66.0                   | 45.0                   |
| CDMC1265-R47   | 0.47                               | M                  | 0.90             | 1.20             | 63.0                   | 41.0                   |
| CDMC1265-R56   | 0.56                               | M                  | 1.05             | 1.20             | 58.0                   | 37.0                   |
| CDMC1265-R68   | 0.68                               | M                  | 1.25             | 1.50             | 55.0                   | 35.0                   |
| CDMC1265-R82   | 0.82                               | M                  | 1.50             | 1.90             | 50.0                   | 33.0                   |
| CDMC1265-1R0   | 1.0                                | M                  | 1.70             | 2.30             | 48.0                   | 30.0                   |
| CDMC1265-1R5   | 1.5                                | M                  | 2.50             | 3.00             | 45.0                   | 27.0                   |
| CDMC1265-2R2   | 2.2                                | M                  | 3.80             | 4.20             | 37.0                   | 22.0                   |
| CDMC1265-3R3   | 3.3                                | M                  | 5.70             | 6.80             | 30.0                   | 18.0                   |
| CDMC1265-4R7   | 4.7                                | M                  | 7.00             | 8.40             | 28.0                   | 13.5                   |
| CDMC1265-5R6   | 5.6                                | M                  | 8.50             | 10.0             | 23.0                   | 12.5                   |
| CDMC1265-6R8   | 6.8                                | M                  | 9.50             | 11.5             | 18.0                   | 11.5                   |
| CDMC1265-8R2   | 8.2                                | M                  | 12.0             | 15.5             | 16.0                   | 10.5                   |
| CDMC1265-100   | 10                                 | M                  | 13.2             | 16.5             | 15.5                   | 10.0                   |
| CDMC1265-150   | 15                                 | M                  | 23.2             | 28.0             | 13.0                   | 9.0                    |
| CDMC1265-220   | 22                                 | M                  | 32.5             | 37.0             | 12.0                   | 9.0                    |
| CDMC1265-330   | 33                                 | M                  | 48.0             | 58.0             | 11.0                   | 8.0                    |
| CDMC1265-470   | 47                                 | M                  | 76.0             | 90.0             | 9.5                    | 6.5                    |
| CDMC1265-680   | 68                                 | M                  | 110.0            | 130.0            | 7.8                    | 4.8                    |
| CDMC1265-101   | 100                                | M                  | 145.0            | 165.0            | 5.5                    | 4.2                    |

Inductance Range/電感範圍:0.22~100 $\mu\text{H}$

Operating Temperature/工字溫度: -40°C ~ +125°C

Storage Temperature/儲存溫度: -40°C ~ +125°C

(1) Test frequency :100KHz/1.0V;

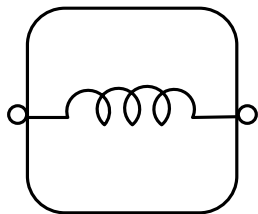
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller(At ambient reference temperature:25°C).

(1) 電感測試頻率:100KHz/1.0V;

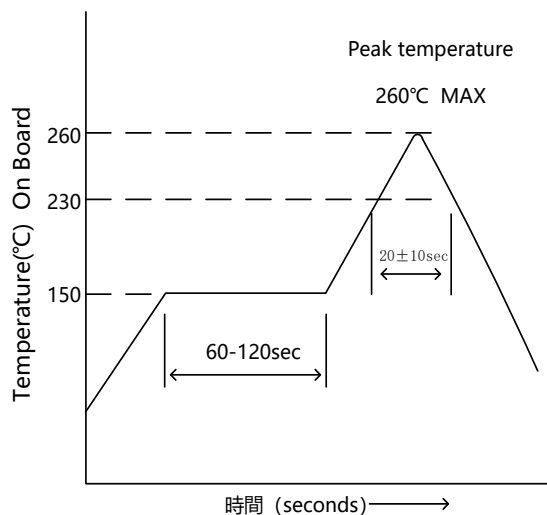
(2) 最大容許電流定義:電感下降30%或溫度上升40°C時,取其小值作為最大容許電流(周圍環境溫度25°C).



## Electrical Schematic/原理圖



## Recommended Temperature Conditions of Air Reflow Soldering/推薦回流焊溫度條件



In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

除了這裡顯示的標準品之外,可根據客戶要求進行設計.

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