



Fonrita
方瑞達電子

MOLDING POWER INDUCTORS

一體成型電感

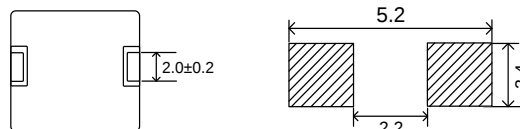
Type: CDMC0420



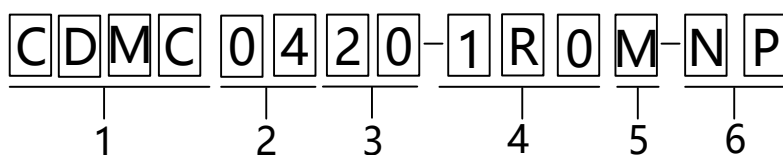
Dimensions外形尺寸(mm)



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 : μH
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:3000PCS.
- Square 4.45mm type(4.70mm Max),Height 2.0mm 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:3000PCS.
- 方形4.45mm(4.70mm Max),高度2.0mm 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. 品名	Inductance 電感量(μH)	Tolerance 公差(%)	D.C.R. 直流電阻		I sat(Typ.) 飽和電流(A)	I rms(Typ.) 溫升電流(A)
			Typ(m Ω)	Max(m Ω)		
CDMC0420-R10	0.10	N	3.2	4.0	35.0	14.0
CDMC0420-R22	0.22	N	6.6	7.3	24.0	13.0
CDMC0420-R33	0.33	M	7.8	8.6	18.0	10.0
CDMC0420-R47	0.47	M	11.2	14.0	12.0	8.0
CDMC0420-R56	0.56	M	13.5	16.0	10.0	7.3
CDMC0420-R68	0.68	M	16.0	19.0	10.0	7.0
CDMC0420-1R0	1.0	M	22.0	27.0	8.5	5.0
CDMC0420-1R5	1.5	M	34.8	42.0	7.0	4.5
CDMC0420-2R2	2.2	M	51.0	61.0	6.0	4.0
CDMC0420-3R3	3.3	M	69.0	76.0	4.0	3.5
CDMC0420-4R7	4.7	M	95.0	105.0	3.5	2.6
CDMC0420-5R6	5.6	M	112.0	125.0	3.0	2.2
CDMC0420-6R8	6.8	M	150.0	172.0	2.8	2.1
CDMC0420-8R2	8.2	M	158.0	180.0	2.5	2.0
CDMC0420-100	10	M	215.0	243.0	2.3	1.8
CDMC0420-150	15	M	325.0	374.0	1.9	1.5
CDMC0420-220	22	M	470.0	500.0	1.4	1.2

Inductance Range/電感範圍:0.1~22 μH

Operating Temperature/工作溫度:-40°C ~ +125°C

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

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

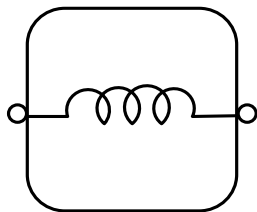
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller(At ambient reference temperature:25°C).

(1) 電感測試頻率:100KHz/1.0V;

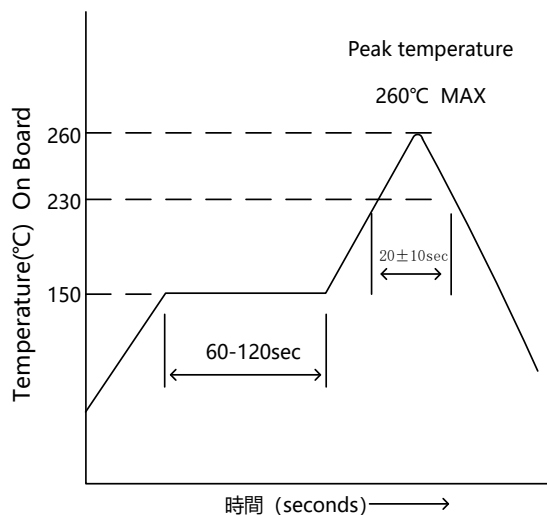
(2) 最大容許電流定義:電感下降30%或溫度上升40°C時,取其小值作為最大容許電流(周圍環境溫度25°C).



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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