

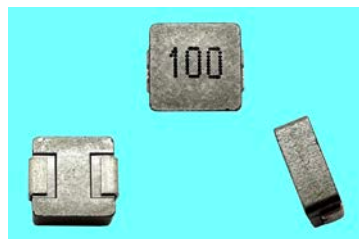


Fonrita
方瑞達電子

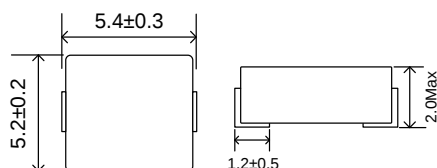
MOLDING POWER INDUCTORS

一體成型電感

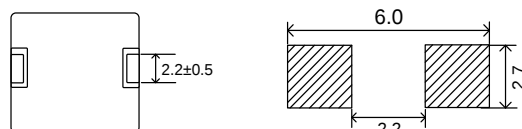
Type: FDMC0520



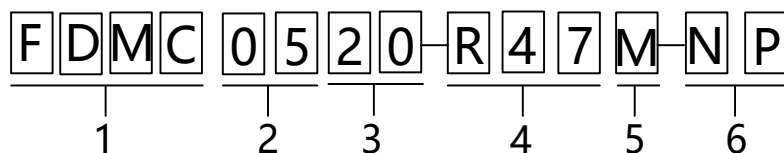
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : FDMC (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:2000PCS.
- Square 5.7mm Max,Height 2.0mm Max.
- Powder iron core material.
- 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:2000PCS.
- 方形5.7mm Max,高度2.0mm Max.
- 鐵合金材料.
- 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 Typ($\text{m}\Omega$)	Max($\text{m}\Omega$)	I sat(Typ.) 飽和電流(A)	I rms(Typ.) 溫升電流(A)
FDMC0520-R22	0.22	M	4.00	4.50	19.00	15.00
FDMC0520-R33	0.33	M	6.70	8.20	18.00	14.00
FDMC0520-R47	0.47	M	8.20	9.00	15.50	10.50
FDMC0520-R56	0.56	M	8.50	10.50	15.00	9.50
FDMC0520-1R0	1.0	M	16.50	17.00	9.00	8.00
FDMC0520-1R5	1.5	M	23.50	26.00	9.00	7.50
FDMC0520-2R2	2.2	M	32.00	35.00	6.50	5.50
FDMC0520-3R3	3.3	M	47.00	58.00	5.00	4.50
FDMC0520-4R7	4.7	M	73.00	85.00	4.00	3.50
FDMC0520-6R8	6.8	M	110.0	120.0	3.40	2.70
FDMC0520-100	10	M	132.0	155.0	3.00	2.50

Inductance Range/電感範圍:0.22~10 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;

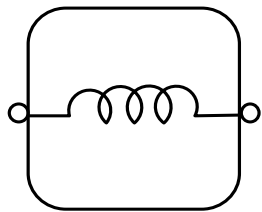
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller(At ambient reference temperature:25°C).

(1) 電感測試頻率:100KHz/1.0V;

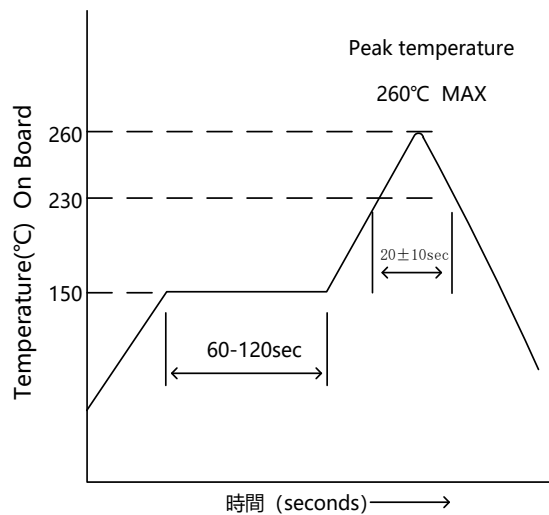
(2) 最大容許電流定義:電感下降30%或溫度上升40°C時,取其小值作為最大容許電流(周圍環境溫度25°C).



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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