

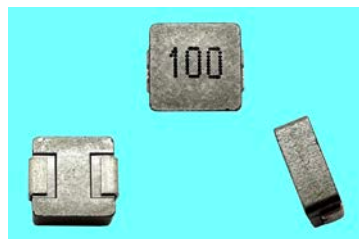


Fonrita
方瑞達電子

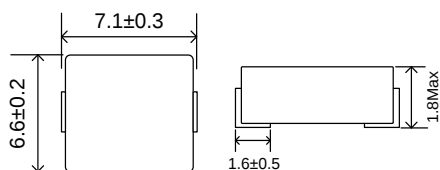
MOLDING POWER INDUCTORS

一體成型電感

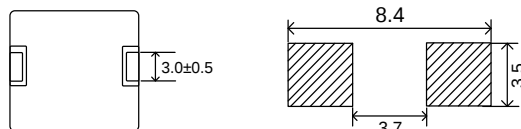
Type: FDMC0618



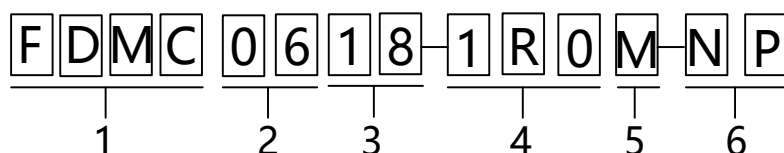
Dimensions外形尺寸(mm)



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:1500PCS.
- Square 7.4mm Max,Height 1.8mm 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:1500PCS.
- 方形7.4mm Max,高度1.8mm 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		I sat(Typ.) 飽和電流(A)	I rms(Typ.) 溫升電流(A)
			Typ(m Ω)	Max(m Ω)		
FDMC0618-R10	0.10	M	2.00	3.50	30.0	18.0
FDMC0618-R22	0.22	M	4.50	5.70	25.0	14.0
FDMC0618-R33	0.33	M	6.00	7.00	20.0	12.0
FDMC0618-R47	0.47	M	7.50	8.40	18.0	11.5
FDMC0618-R68	0.68	M	9.00	12.00	17.0	9.5
FDMC0618-1R0	1.0	M	14.0	16.0	14.0	8.5
FDMC0618-1R5	1.5	M	22.0	26.0	11.5	8.0
FDMC0618-2R2	2.2	M	30.0	35.0	7.5	7.0
FDMC0618-3R3	3.3	M	45.0	50.0	7.0	5.5
FDMC0618-4R7	4.7	M	55.0	62.0	5.0	4.0
FDMC0618-6R8	6.8	M	86.0	110.0	4.0	3.0
FDMC0618-100	10	M	140.0	155.0	2.5	2.3
FDMC0618-220	22	M	280.0	350.0	2.3	1.8

Inductance Range/電感範圍:0.10~22 μH

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

Storage Temperature/儲存溫度:-40℃ ~ +125℃

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

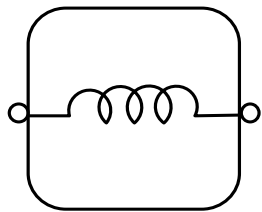
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40℃, whichever is smaller(At ambient reference temperature:25℃).

(1) 電感測試頻率:100KHz/1.0V;

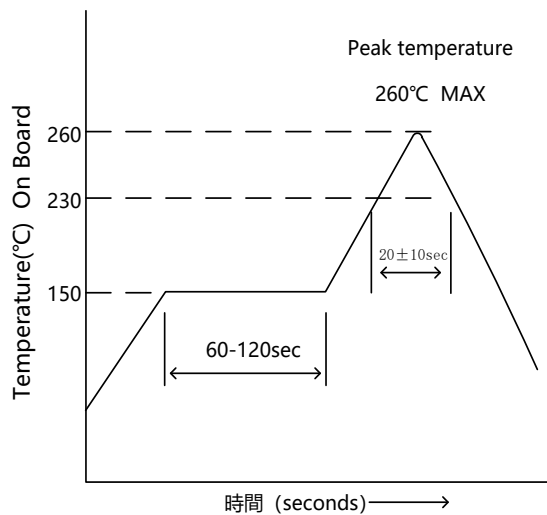
(2) 最大容許電流定義:電感下降30%或溫度上升40℃時,取其小值作為最大容許電流(周圍環境溫度25℃).



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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