

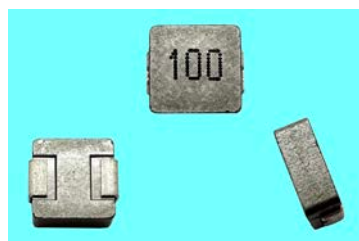


Fonrita
方瑞達電子

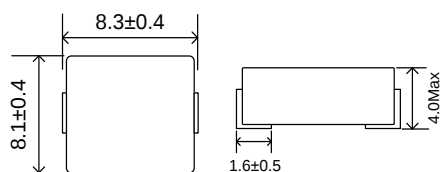
MOLDING POWER INDUCTORS

一體成型電感

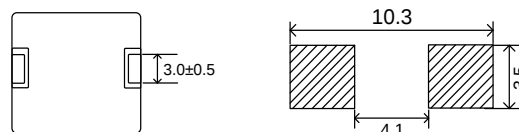
Type: FDMC0840



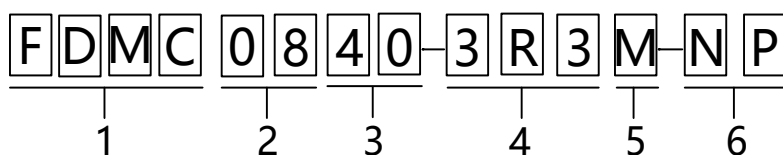
Dimensions外形尺寸(mm)



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:1000PCS.
- Square 8.7mm Max,Height 4.0mm 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:1000PCS.
- 方形8.7mm Max,高度4.0mm 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(m Ω)	Max(m Ω)	I sat(Max.) 飽和電流(A)	I rms(Max.) 溫升電流(A)
FDMC0840-R22	0.22	M	1.60	1.80	55.0	30.0
FDMC0840-R33	0.33	M	2.10	2.40	45.0	25.0
FDMC0840-R47	0.47	M	2.60	2.80	33.0	25.0
FDMC0840-R56	0.56	M	3.00	3.20	23.0	22.0
FDMC0840-R68	0.68	M	3.50	3.80	22.0	21.0
FDMC0840-R82	0.82	M	4.00	4.40	19.0	19.0
FDMC0840-1R0	1.0	M	5.00	5.50	17.0	17.0
FDMC0840-1R5	1.5	M	7.00	7.60	15.0	15.0
FDMC0840-1R8	1.8	M	10.2	11.0	13.5	12.5
FDMC0840-2R2	2.2	M	10.8	11.4	12.0	12.0
FDMC0840-3R3	3.3	M	14.5	15.0	11.0	10.0
FDMC0840-4R7	4.7	M	25.9	26.5	10.5	8.5
FDMC0840-5R6	5.6	M	26.5	30.0	10.0	8.0
FDMC0840-6R8	6.8	M	32.0	36.8	8.0	7.0
FDMC0840-8R2	8.2	M	40.0	46.0	7.7	6.0
FDMC0840-100	10	M	53.0	59.0	7.0	5.5
FDMC0840-150	15	M	65.0	71.0	4.9	4.8
FDMC0840-220	22	M	100.0	113.0	4.5	4.2
FDMC0840-330	33	M	136.0	156.0	3.3	3.0
FDMC0840-470	47	M	200.0	225.0	2.9	2.5

Inductance Range/電感範圍:0.22~47 μH

Operating Temperature/工作溫度:-40 $^{\circ}\text{C}$ ~ +125 $^{\circ}\text{C}$

Storage Temperature/儲存溫度:-40 $^{\circ}\text{C}$ ~ +125 $^{\circ}\text{C}$

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

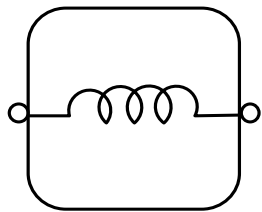
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40 $^{\circ}\text{C}$, whichever is smaller(At ambient reference temperature:25 $^{\circ}\text{C}$).

(1) 電感測試頻率:100KHz/1.0V;

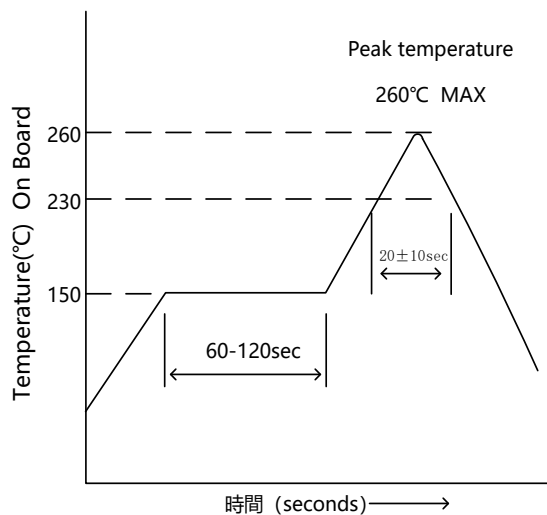
(2) 最大容許電流定義:電感下降30%或溫度上升40 $^{\circ}\text{C}$ 時,取其小值作為最大容許電流(周圍環境溫度25 $^{\circ}\text{C}$).



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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