

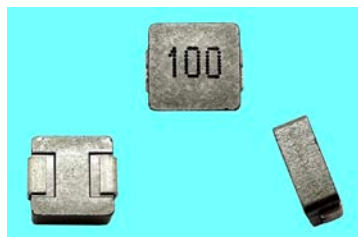


Fonrita
方瑞達電子

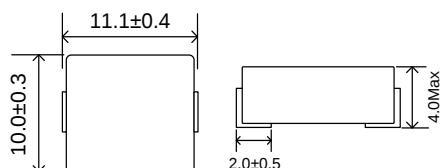
MOLDING POWER INDUCTORS

一體成型電感

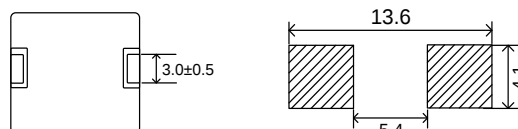
Type: FDMC1040



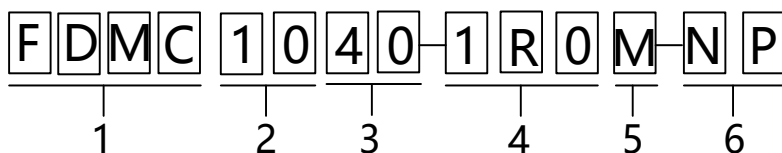
Dimensions外形尺寸(mm)



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 11.5mm 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11.5mm 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		I sat(Max) 飽和電流(A)	I rms(Max) 溫升電流(A)
			Typ(m Ω)	Max(m Ω)		
FDMC1040-R15	0.15	M	0.50	0.65	60.00	40.00
FDMC1040-R22	0.22	M	0.90	1.00	48.00	35.00
FDMC1040-R36	0.36	M	1.05	1.20	36.00	25.00
FDMC1040-R47	0.47	M	1.50	1.70	32.00	25.00
FDMC1040-R56	0.56	M	1.60	1.80	26.40	20.00
FDMC1040-R68	0.68	M	2.10	2.40	24.00	19.00
FDMC1040-R80	0.80	M	2.60	2.70	23.00	17.00
FDMC1040-1R0	1.0	M	3.00	3.30	22.40	16.00
FDMC1040-1R5	1.5	M	3.80	4.20	18.00	14.00
FDMC1040-2R2	2.2	M	6.00	7.00	13.20	10.00
FDMC1040-3R3	3.3	M	10.0	11.8	12.80	9.50
FDMC1040-4R7	4.7	M	17.0	20.0	10.40	7.50
FDMC1040-6R8	6.8	M	22.0	25.0	9.60	7.00
FDMC1040-8R2	8.2	M	25.0	30.0	7.20	6.00
FDMC1040-100	10	M	27.0	30.0	6.80	6.00
FDMC1040-150	15	M	40.0	45.0	5.60	5.60
FDMC1040-220	22	M	58.0	66.0	4.40	4.20
FDMC1040-330	33	M	85.0	92.0	3.84	3.80
FDMC1040-470	47	M	130.0	145.0	3.10	2.80
FDMC1040-680	68	M	178.0	205.0	2.40	1.90
FDMC1040-101	100	M	315.0	350.0	2.10	1.80

Inductance Range/電感範圍:0.15~100 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;

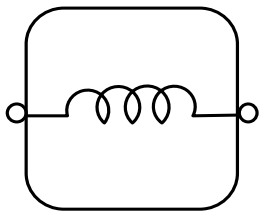
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller(At ambient reference temperature:25°C).

(1) 電感測試頻率:100KHz/1.0V;

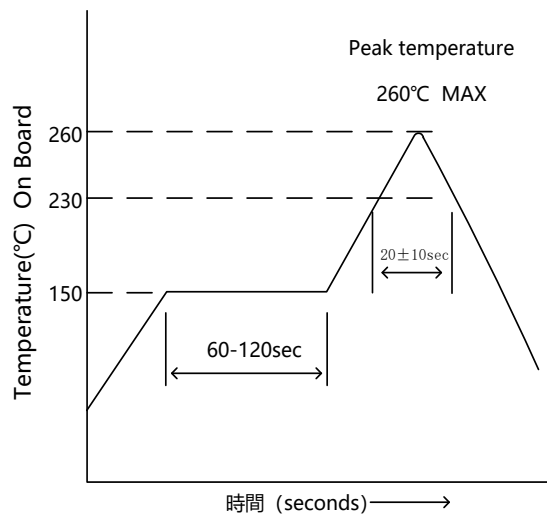
(2) 最大容許電流定義:電感下降30%或溫度上升40°C時,取其小值作為最大容許電流(周圍環境溫度25°C).



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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