

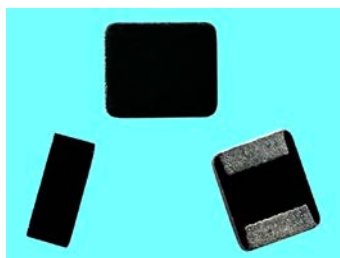


Fonrita
方瑞達電子

MOLDING POWER INDUCTORS

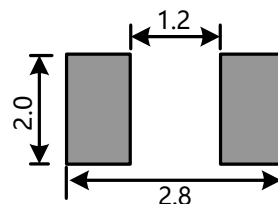
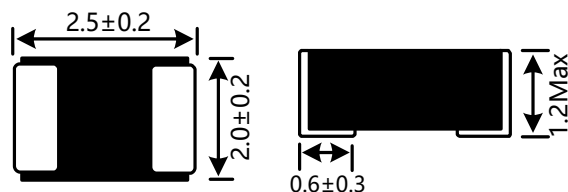
一體成型電感

Type: FDMC252012

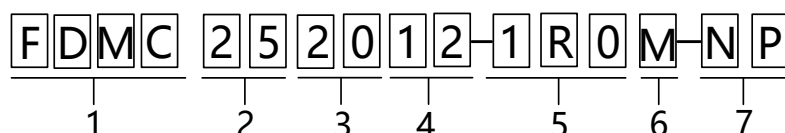


Dimensions外形尺寸(mm)

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 wide/產品寬度 : mm
4. Body height/產品高度 : mm
5. Inductance/感量 : μH
6. Tolerance/公差 : M $\pm 20\%$, N $\pm 30\%$
7. 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 2.5mm type(2.7mm Max),Height 1.2mm Max.
- Powder iron core material.
- High current,low DCR,high efficiency.
- Widely use in DC-DC converter/Notebook/Smart phone/PAD/Smart wear/Wi-Fi module .

特長:

- 數量/卷:3000PCS.
- 方形2.5mm(2.7mm Max),高度1.2mm 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/智能手機/平板 /智能穿戴/WiFi模組.

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)		
FDMC252012-R47	0.47	M	21	25	4.95	4.18
FDMC252012-R68	0.68	M	29	35	4.63	3.36
FDMC252012-1R0	1.0	M	41	49	4.04	3.18
FDMC252012-1R5	1.5	M	64	77	2.91	2.27
FDMC252012-2R2	2.2	M	85	98	2.73	2.06
FDMC252012-3R3	3.3	M	125	150	1.80	1.80
FDMC252012-4R7	4.7	M	196	235	1.58	1.40

Inductance Range/電感範圍:0.47~4.7 μH

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

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

(1) Test frequency :1MHz/1.0V;

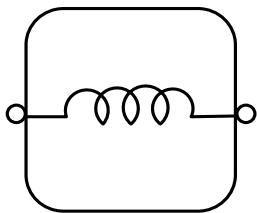
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller.(At ambient reference temperature:25°C).

(1) 電感測試頻率:1MHz/1.0V;

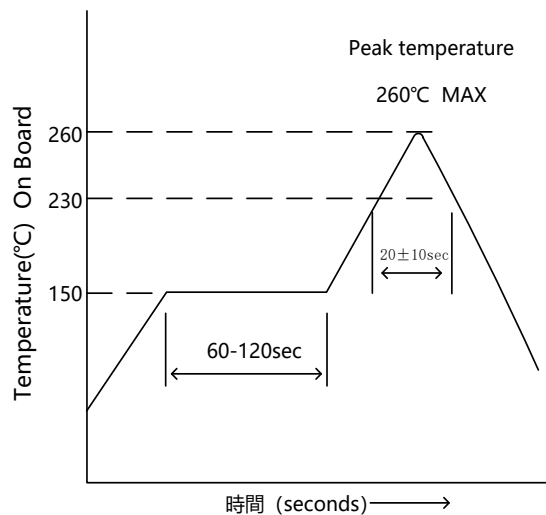
(2) 最大容許電流定義:電感下降30%或溫度上升40°C時,取其小值作為最大容許電流(周圍環境溫度25°C)。



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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