



Fonrita
方瑞達電子

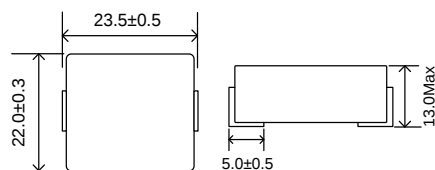
MOLDING POWER INDUCTORS

一體成型電感

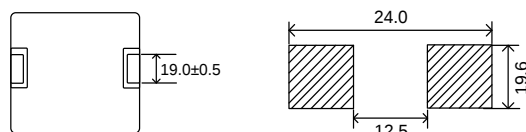
Type: FDMC2313



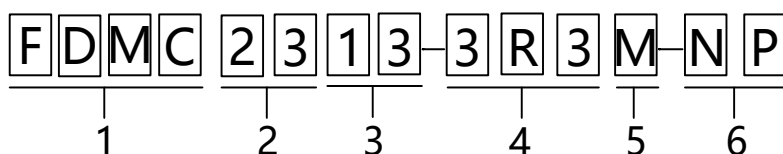
Dimensions外形尺寸 (mm)



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: 80PCS.
- Square 24.0mm Max, Height 13.0mm 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: 80PCS.
- 方形 24.0mm Max, 高度 13.0mm 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(Typ.) 飽和電流(A)	I rms(Typ.) 溫升電流(A)
FDMC2313-1R0	1.0	M	0.80	0.95	70.0	60.0
FDMC2313-1R5	1.5	M	1.00	1.15	62.0	52.0
FDMC2313-2R2	2.2	M	1.10	1.25	58.0	48.0
FDMC2313-3R3	3.3	M	1.50	1.75	49.0	41.0
FDMC2313-4R7	4.7	M	1.90	2.20	47.0	38.0
FDMC2313-6R8	6.8	M	2.80	3.10	40.0	36.0
FDMC2313-100	10	M	3.80	4.15	33.0	28.0
FDMC2313-150	15	M	5.90	6.12	26.0	23.0
FDMC2313-220	22	M	10.00	11.00	22.0	15.0
FDMC2313-330	33	M	13.90	15.40	19.0	12.0
FDMC2313-470	47	M	17.80	20.80	17.0	12.0
FDMC2313-680	68	M	26.50	29.50	14.0	12.0
FDMC2313-820	82	M	30.00	34.20	12.0	9.0
FDMC2313-101	100	M	35.00	40.00	11.0	9.0

Inductance Range/電感範圍: 1.0~100 μH

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

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

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

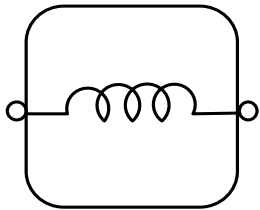
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%, or temperature to rise by 40°C , whichever is smaller (At ambient reference temperature: 25°C).

(1) 電感測試頻率: 100KHz/1.0V;

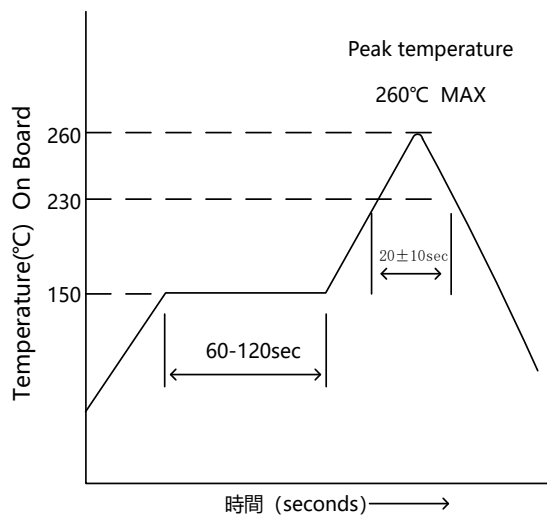
(2) 最大容許電流定義: 電感下降 30% 或溫度上升 40°C 時, 取其小值作為最大容許電流 (周圍環境溫度 25°C).



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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