



Fonrita
方瑞達電子

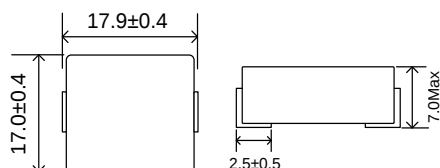
MOLDING POWER INDUCTORS

一體成型電感

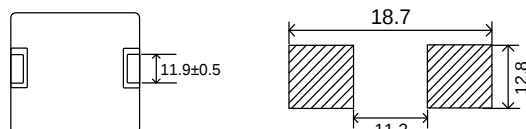
Type: FDMC1770



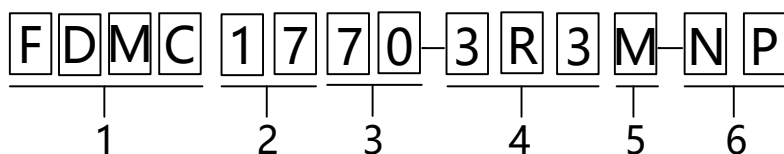
Dimensions外形尺寸(mm)



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:200PCS.
- Square 18.3mm Max,Height 7.0mm 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:200PCS.
- 方形 18.3mm Max,高度7.0mm 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)
FDMC1770-1R5	1.5	M	1.70	2.00	42.0	35.0
FDMC1770-2R2	2.2	M	2.20	2.50	35.0	27.0
FDMC1770-3R3	3.3	M	3.50	3.95	25.0	22.0
FDMC1770-4R7	4.7	M	4.30	4.75	21.0	19.0
FDMC1770-5R6	5.6	M	6.00	7.20	19.0	17.0
FDMC1770-6R8	6.8	M	7.00	7.50	18.0	15.0
FDMC1770-8R2	8.2	M	8.00	8.70	17.0	11.0
FDMC1770-100	10	M	9.00	9.90	16.0	10.0
FDMC1770-150	15	M	15.5	17.0	12.0	8.0
FDMC1770-220	22	M	25.0	26.5	9.5	6.5
FDMC1770-330	33	M	34.0	37.0	8.0	5.5
FDMC1770-470	47	M	42.0	47.0	5.5	4.5
FDMC1770-560	56	M	69.0	76.0	5.0	4.0
FDMC1770-680	68	M	72.0	85.0	4.5	3.5
FDMC1770-101	100	M	115.0	130.0	3.5	2.5

Inductance Range/電感範圍:1.5~100 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;

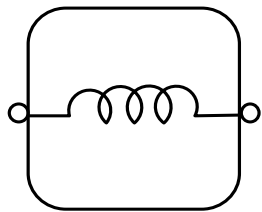
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40 $^{\circ}\text{C}$, whichever is smaller(At ambient reference temperature:25 $^{\circ}\text{C}$).

(1) 電感測試頻率:100KHz/1.0V;

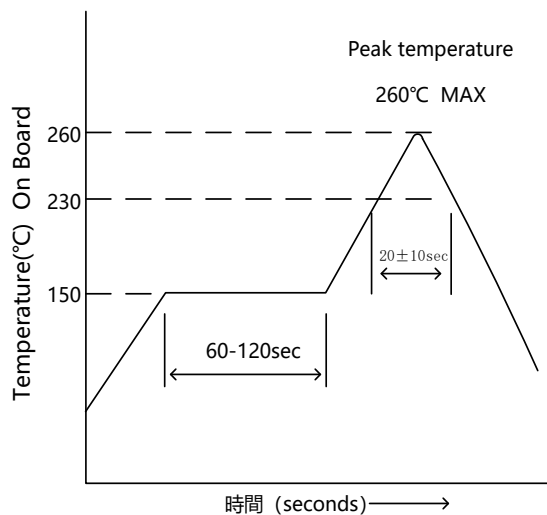
(2) 最大容許電流定義:電感下降30%或溫度上升40 $^{\circ}\text{C}$ 時,取其小值作為最大容許電流(周圍環境溫度25 $^{\circ}\text{C}$).



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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