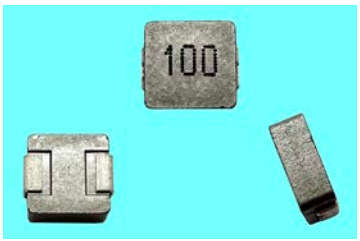
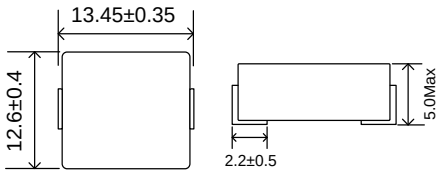
fonrita 方瑞達電子

MOLDING POWER INDUCTORS 一體成型電感

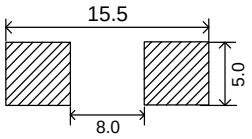
Type: FDMC1250



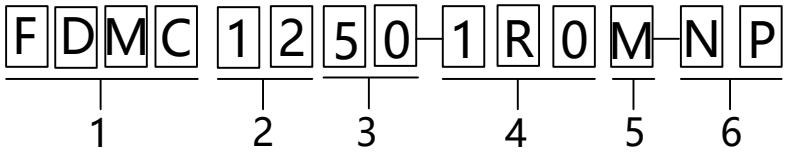
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型： FDMC (shield/屏蔽)
2. Body lenght/產品長度 ： mm
3. Body height/产品高度 ： mm
4. Inductance/感量 ： μH
5. Tolerance/公差 ： M ±20%, N ±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:500PCS.
- Square 13.8mm Max,Height 5.0mm 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:500PCS.
- 方形 13.8mm Max,高度5.0mm 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(mΩ)	D.C.R. 直流電阻 Max(mΩ)	I sat(Max) 飽和電流(A)	I rms(Max) 溫升電流(A)
FDMC1250-R33	0.33	M	0.90	1.20	40.0	37.0
FDMC1250-R47	0.47	M	1.00	1.30	35.0	30.0
FDMC1250-R56	0.56	M	1.20	1.60	34.0	27.0
FDMC1250-R68	0.68	M	1.40	1.70	33.0	25.0
FDMC1250-R82	0.82	M	1.80	2.30	29.0	23.0
FDMC1250-1R0	1.0	M	1.90	2.50	28.0	22.0
FDMC1250-1R5	1.5	M	2.80	3.20	26.4	19.0
FDMC1250-2R2	2.2	M	4.20	5.50	25.0	16.0
FDMC1250-2R7	2.7	M	5.60	6.80	21.0	14.0
FDMC1250-3R3	3.3	M	7.00	9.20	20.0	12.0
FDMC1250-4R7	4.7	M	12.0	15.0	16.0	11.0
FDMC1250-5R6	5.6	M	13.0	16.5	13.0	9.0
FDMC1250-6R8	6.8	M	14.5	18.0	12.8	8.0
FDMC1250-8R2	8.2	M	17.0	22.5	13.0	7.0
FDMC1250-100	10	M	22.0	25.0	11.0	6.5
FDMC1250-150	15	M	24.0	30.0	8.0	5.5
FDMC1250-220	22	M	50.0	58.0	5.2	3.8
FDMC1250-330	33	M	73.0	84.0	4.8	2.8
FDMC1250-470	47	M	110.0	130.0	4.0	1.6
FDMC1250-680	68	M	185.0	210.0	3.0	1.5
FDMC1250-101	100	M	270.0	300.0	2.5	1.2

Inductance Range/電感範圍:0.33~100μH

Operating Temperature/工作溫度:－40℃ ~ ＋125℃

Storage Temperature/儲存溫度:－40℃ ~ ＋125℃

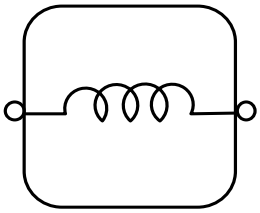
(1) Test frequency :100KHz/1.0V；

(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).

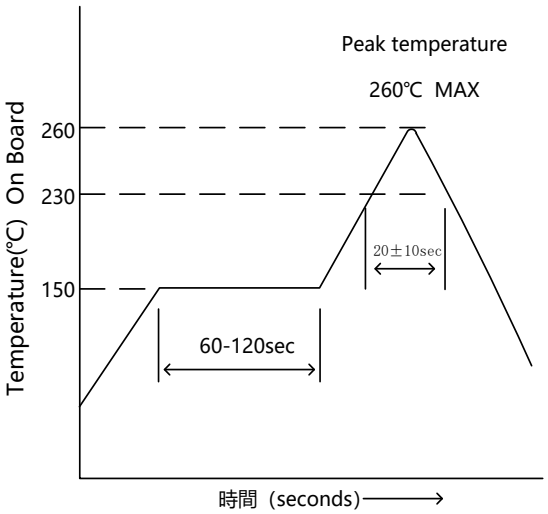
(1) 電感測試頻率:100KHz/1.0V；

(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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