

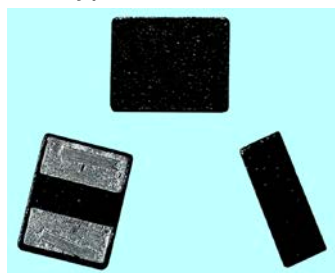


Fonrita
方瑞達電子

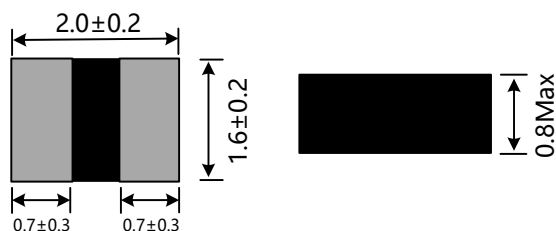
MOLDING POWER INDUCTORS

一體成型電感

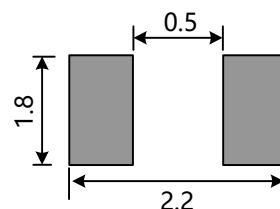
Type: HDMT201608



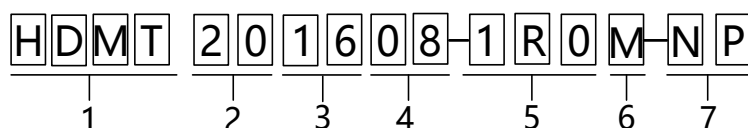
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : HDMT (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 2.0mm type(2.2mm Max),Height 0.8mm Max.
- Extremely low DCR and ultra low AC losses for high switching frequencies(up to 5MHz).
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI).
- No thermal aging issues.
- Widely use in DC-DC converter/Notebook/5G modiles etc.

特長:

- 數量/卷:3000PCS.
- 方形2.0mm(2.2mm Max),高度0.8mm Max.
- 在高開關頻率(高達5MHz)下具有極低DCR和交流損耗.
- 閉合磁路設計減少漏磁和電磁干擾(EMI).
- 無熱老化問題.
- 廣泛應用於升降壓轉換器/筆記本電腦/5G模塊等.

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)		
HDMT201608-R22	0.22	M	14	19	5.6	5.9
HDMT201608-R24	0.24	M	14	20	5.5	5.8
HDMT201608-R33	0.33	M	18	24	5.3	4.8
HDMT201608-R47	0.47	M	24	27	5.0	4.4
HDMT201608-R68	0.68	M	39	44	4.6	3.6
HDMT201608-1R0	1.0	M	53	60	3.1	3.3
HDMT201608-1R5	1.5	M	73	85	2.8	2.8
HDMT201608-2R2	2.2	M	123	140	2.3	2.0
HDMT201608-3R3	3.3	M	200	220	1.8	1.5
HDMT201608-4R7	4.7	M	260	290	1.5	1.4
HDMT201608-100	10	M	695	800	0.9	0.9

Inductance Range/電感範圍:0.22~10 μH

Operating Temperature/工作溫度:-55℃ ~ +125℃

Storage Temperature/儲存溫度:-40℃ ~ +125℃

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

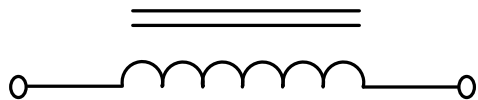
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40℃, whichever is smaller(At ambient reference temperature:25℃).

(1) 電感測試頻率:1MHz/1.0V;

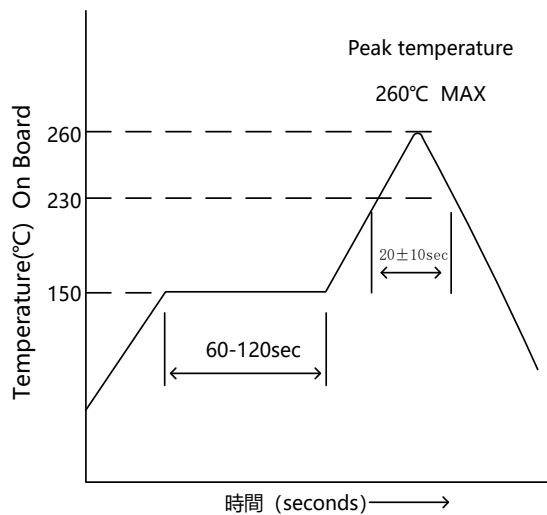
(2) 最大容許電流定義:電感下降30%或溫度上升40℃時,取其小值作為最大容許電流(周圍環境溫度25℃).



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.

www.fonrita.com