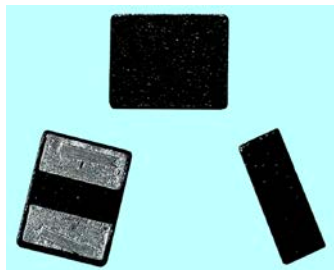
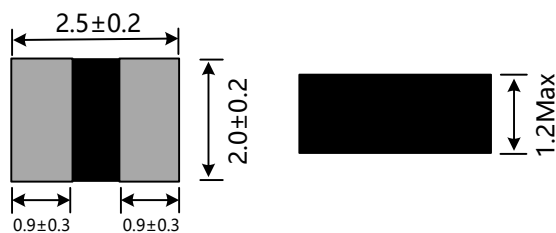




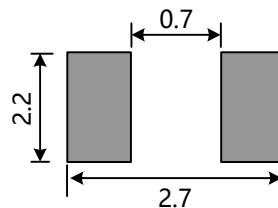
Type: HDMT252012



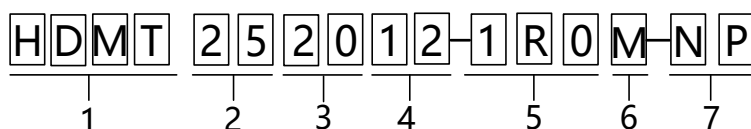
Dimensions外形尺寸(mm)



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 2.5mm type(2.7mm Max),Height 1.2mm 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2.5mm(2.7mm Max),高度1.2mm 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)		
HDMT252012-R10	0.10	M	6.0	10.0	12.00	10.50
HDMT252012-R11	0.11	M	4.2	5.0	13.00	14.00
HDMT252012-R15	0.15	M	7.0	11.0	12.00	10.00
HDMT252012-R22	0.22	M	9.0	14.0	9.00	7.60
HDMT252012-R24	0.24	M	10.0	15.0	8.80	7.50
HDMT252012-R33	0.33	M	11.0	17.0	7.80	6.40
HDMT252012-R47	0.47	M	13.0	19.0	7.00	6.00
HDMT252012-R68	0.68	M	17.0	23.0	6.00	5.50
HDMT252012-R82	0.82	M	24.0	30.0	5.40	5.00
HDMT252012-1R0	1.0	M	35.0	42.0	5.00	3.60
HDMT252012-1R2	1.2	M	40.0	45.0	4.10	3.40
HDMT252012-1R5	1.5	M	44.0	50.0	4.00	3.20
HDMT252012-2R2	2.2	M	55.0	65.0	3.30	2.20
HDMT252012-3R3	3.3	M	80.0	97.0	2.70	1.80
HDMT252012-4R7	4.7	M	150.0	170.0	2.10	1.50
HDMT252012-6R8	6.8	M	245.0	270.0	1.70	1.40
HDMT252012-100	10	M	330.0	400.0	1.45	1.05
HDMT252012-150	15	M	540.0	595.0	1.30	1.30
HDMT252012-220	22	M	730.0	800.0	1.00	1.10

Inductance Range/電感範圍:0.1~22 μH

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

Storage Temperature/儲存溫度:-40℃ ~ +125℃

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

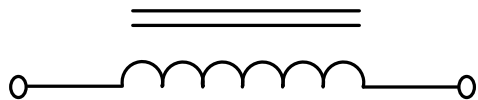
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40℃, whichever is smaller(At ambient reference temperature:25℃).

(1) 電感測試頻率:1MHz/1.0V;

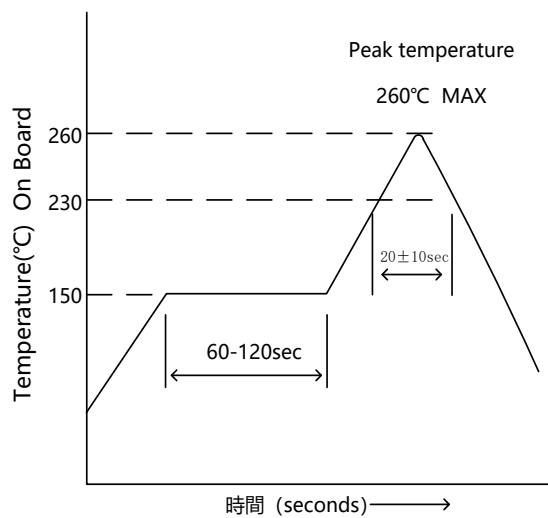
(2) 最大容許電流定義:電感下降30%或溫度上升40℃時,取其小值作為最大容許電流(周圍環境溫度25℃).



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.

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