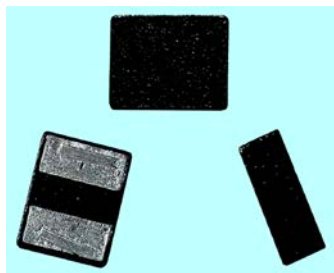
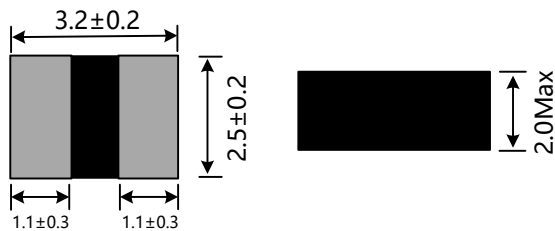




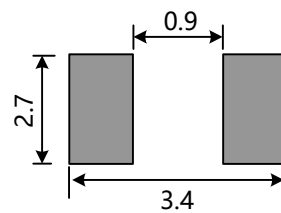
Type: HDMT322520



Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



## PRODUCT IDENTIFICATION/產品標識

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | D | M | T | 3 | 2 | 2 | 5 | 2 | 0 | - | 1 | R | 0 | M | - | N | P |
| 1 |   |   |   | 2 | 3 | 4 |   | 5 |   | 6 | 7 |   |   |   |   |   |   |

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 :  $\mu\text{H}$
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:2000PCS.
- Square 3.2mm type(3.4mm Max),Height 2.0mm 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:2000PCS.
- 方形3.2mm(3.4mm Max),高度2.0mm 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.<br>品名 | Inductance<br>電感量( $\mu\text{H}$ ) | Tolerance<br>公差(%) | D.C.R. 直流電阻      |                  | I sat(Max)<br>飽和電流(A) | I rms(Max)<br>溫升電流(A) |
|----------------|------------------------------------|--------------------|------------------|------------------|-----------------------|-----------------------|
|                |                                    |                    | Typ(m $\Omega$ ) | Max(m $\Omega$ ) |                       |                       |
| HDMT322520-R33 | 0.33                               | M                  | 7.5              | 9.0              | 14.0                  | 9.0                   |
| HDMT322520-R47 | 0.47                               | M                  | 9.0              | 10.5             | 13.0                  | 8.5                   |
| HDMT322520-R68 | 0.68                               | M                  | 12.5             | 14.5             | 11.0                  | 8.0                   |
| HDMT322520-1R0 | 1.0                                | M                  | 15.0             | 17.5             | 8.3                   | 7.5                   |
| HDMT322520-1R5 | 1.5                                | M                  | 22.0             | 25.0             | 6.0                   | 6.0                   |
| HDMT322520-2R2 | 2.2                                | M                  | 36.0             | 43.0             | 5.5                   | 4.8                   |
| HDMT322520-3R3 | 3.3                                | M                  | 55.0             | 60.0             | 3.5                   | 4.0                   |
| HDMT322520-4R7 | 4.7                                | M                  | 81.0             | 94.0             | 3.0                   | 3.0                   |
| HDMT322520-6R8 | 6.8                                | M                  | 101.0            | 125.0            | 2.9                   | 2.3                   |

Inductance Range/電感範圍:0.33~6.8 $\mu\text{H}$

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

Storage Temperature/儲存溫度: -40°C ~ +125°C

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

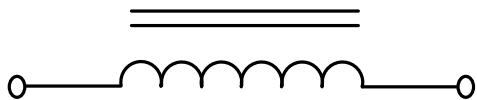
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller(At ambient reference temperature:25°C).

(1) 電感測試頻率:1MHz/1.0V;

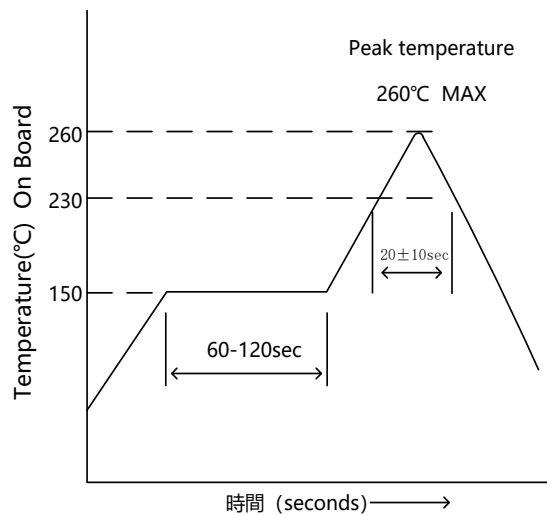
(2) 最大容許電流定義:電感下降30%或溫度上升40°C時,取其小值作為最大容許電流(周圍環境溫度25°C).



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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