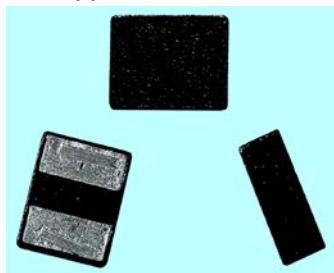
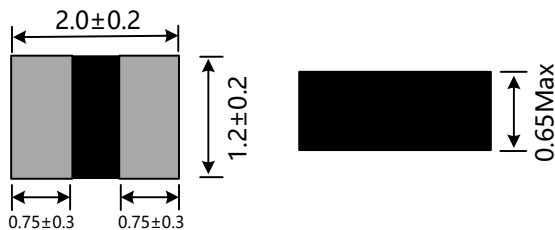




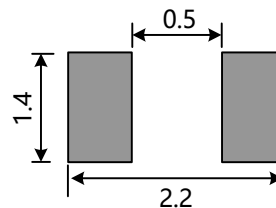
Type: HDMT201265



Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



## PRODUCT IDENTIFICATION/產品標識

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | D | M | T | 2 | 0 | 1 | 2 | 6 | 5 | - | 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 :  $\mu$ 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:3000PCS.
- Square 2.0mm type(2.2mm Max),Height 0.65mm Max.
- Extremtly 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0.65mm 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( $\mu$ H) | Tolerance<br>公差(%) | D.C.R. 直流電阻<br>Typ(m $\Omega$ ) | Max(m $\Omega$ ) | I sat(Max)<br>飽和電流(A) | I rms(Max)<br>溫升電流(A) |
|----------------|-----------------------------|--------------------|---------------------------------|------------------|-----------------------|-----------------------|
| HDMT201265-1R0 | 1.0                         | M                  | 78                              | 86               | 2.5                   | 2.3                   |
| HDMT201265-2R2 | 2.2                         | M                  | 215                             | 230              | 1.5                   | 1.4                   |

Inductance Range/電感範圍:1.0~2.2 $\mu$ H

Operating Temperature/工作溫度:-55 $^{\circ}$ C ~ +125 $^{\circ}$ C

Storage Temperature/儲存溫度:-40 $^{\circ}$ C ~ +125 $^{\circ}$ C

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

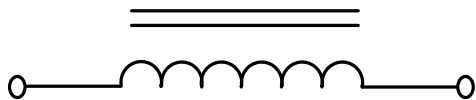
(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40 $^{\circ}$ C, whichever is smaller(At ambient reference temperature:25 $^{\circ}$ C).

(1) 電感測試頻率:1MHz/1.0V;

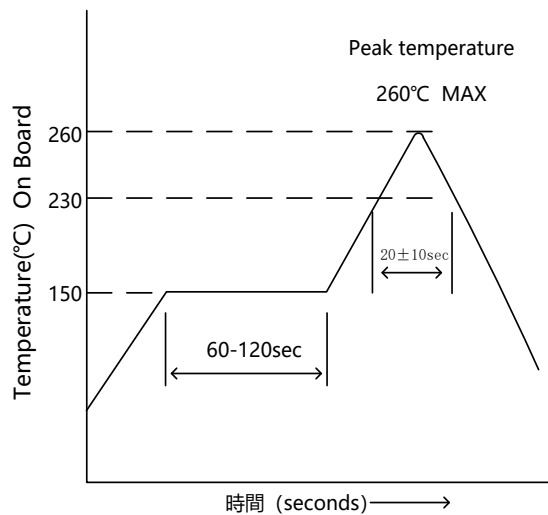
(2) 最大容許電流定義:電感下降30%或溫度上升40 $^{\circ}$ C時,取其小值作為最大容許電流(周圍環境溫度25 $^{\circ}$ C).



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.

[www.fonrita.com](http://www.fonrita.com)