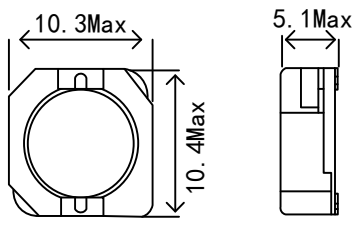




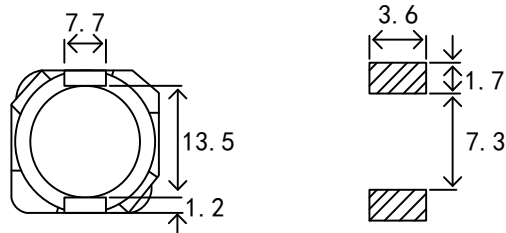
Type: FDRH105R



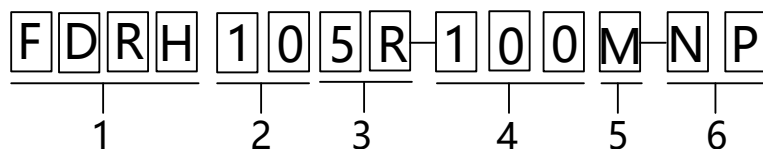
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : FDRH (shield/屏蔽)
2. Body length/產品長度 : mm
3. Body height/產品高度 : mm
4. Inductance/感量 : μH
5. Tolerance/公差 : M $\pm 20\%$, N $\pm 30\%$
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:800PCS.
- Square 10.0mm type(10.4mm Max).Height 5.1mm Max.
- Magnetically shielded construction.
- Suitable for reflow soldering.
- Widely use in DC-DC converter/LCD TV/Notebook/PDA/Digital camera/Portable CDR-W etc.

特長:

- 數量/卷:800PCS.
- 方形10.0mm(10.4mm Max),高度5.1mm Max.
- 閉磁路構造設計.
- 適用於回流焊SMT工藝.
- 廣泛應用於升降壓轉換器/液晶顯示器/筆記本電腦/個人掌上記事本/數碼相機/便攜式光碟機等.

ELECTRICAL CHARACTERISTICS/電氣特性

Part NO. 品名	Inductance 電感量(μH)	Tolerance 公差(%)	DC Resistance 直流電阻Max(Ω)	I sat(Max) 飽和電流(A)	I rms(Max) 溫升電流(A)
FDRH105R-1R5	1.5	N	0.0058	10.50	8.30
FDRH105R-2R2	2.2	N	0.0072	9.25	7.50
FDRH105R-3R3	3.3	N	0.0104	7.80	6.50
FDRH105R-4R7	4.7	N	0.0123	6.40	6.10
FDRH105R-6R8	6.8	N	0.0180	5.40	5.40
FDRH105R-7R2	7.2	N	0.0190	4.95	5.10
FDRH105R-8R2	8.2	N	0.0200	4.85	5.00
FDRH105R-100	10	M	0.0260	4.45	4.50
FDRH105R-120	12	M	0.0330	4.00	3.80
FDRH105R-150	15	M	0.0410	3.60	3.40
FDRH105R-180	18	M	0.0460	3.20	3.10
FDRH105R-220	22	M	0.0610	2.95	2.90
FDRH105R-270	27	M	0.0690	2.70	2.60
FDRH105R-330	33	M	0.0840	2.40	2.50
FDRH105R-390	39	M	0.1060	2.30	2.25
FDRH105R-470	47	M	0.1300	2.00	2.00
FDRH105R-560	56	M	0.1490	1.90	1.90
FDRH105R-680	68	M	0.2010	1.65	1.60
FDRH105R-820	82	M	0.2270	1.50	1.45
FDRH105R-101	100	M	0.2530	1.35	1.35
FDRH105R-121	120	M	0.3030	1.28	1.18
FDRH105R-151	150	M	0.3700	1.12	1.10
FDRH105R-181	180	M	0.4190	1.04	1.00
FDRH105R-221	220	M	0.5000	0.94	0.94
FDRH105R-271	270	M	0.6720	0.84	0.80
FDRH105R-331	330	M	0.8120	0.75	0.73

Inductance Range/電感範圍:1.5~1000 μH

Operating Temperature/工作溫度: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

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

(1) Test frequency :100KHz/1.0V:

(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 35%,or temperature to rise by 40°C , whichever is smaller(At ambient reference temperature: 25°C).

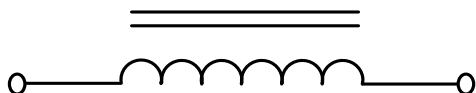
(1) 電感測試頻率:100KHz/1.0V;

(2) 最大容許電流定義:電感下降35%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).

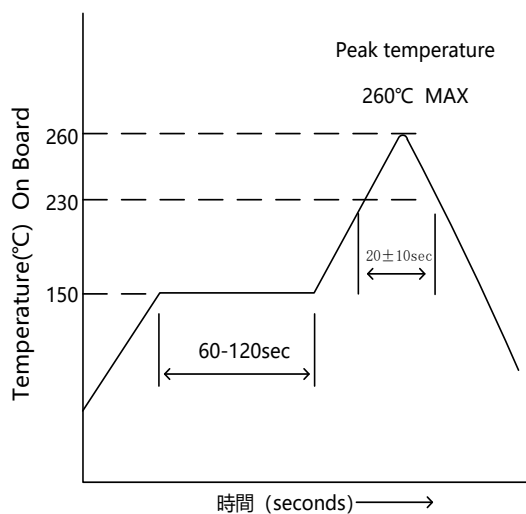


Part NO. 品名	Inductance 電感量(μH)	Tolerance 公差(%)	DC Resistance 直流電阻Max(Ω)	I sat(Max) 飽和電流(A)	I rms(Max) 溫升電流(A)
FDRH105R-391	390	M	0.953	0.70	0.70
FDRH105R-471	470	M	1.290	0.60	0.54
FDRH105R-561	560	M	1.430	0.54	0.52
FDRH105R-681	680	M	1.600	0.52	0.51
FDRH105R-821	820	M	1.770	0.48	0.50
FDRH105R-102	1000	M	1.990	0.42	0.48

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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