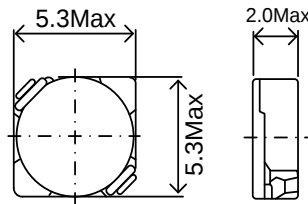




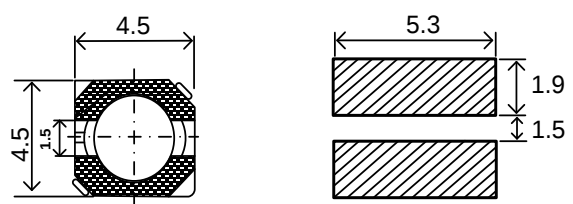
Type: FDRH4D18



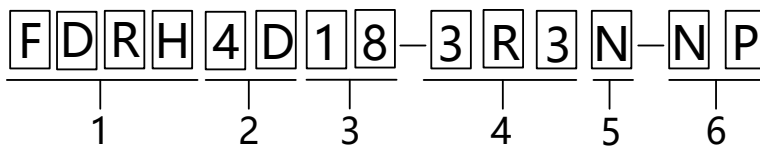
Dimensions外形尺寸(mm)



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:2000PCS.
- Square 5.3mm Max,Height 2.0mm 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:2000PCS.
- 方形5.3mm Max,高度2.0mm 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)	Rated Current 額定電流Max(A)
FDRH4D18-1R0	1.0	N	0.045	1.72
FDRH4D18-2R2	2.2	N	0.075	1.32
FDRH4D18-2R7	2.7	N	0.105	1.28
FDRH4D18-3R3	3.3	N	0.110	1.04
FDRH4D18-3R9	3.9	N	0.155	0.88
FDRH4D18-4R7	4.7	N	0.162	0.84
FDRH4D18-5R6	5.6	N	0.170	0.80
FDRH4D18-6R8	6.8	N	0.200	0.76
FDRH4D18-8R2	8.2	N	0.245	0.68
FDRH4D18-100	10	M	0.200	0.61
FDRH4D18-120	12	M	0.210	0.56
FDRH4D18-150	15	M	0.240	0.50
FDRH4D18-180	18	M	0.338	0.48
FDRH4D18-220	22	M	0.397	0.41
FDRH4D18-270	27	M	0.441	0.35
FDRH4D18-330	33	M	0.694	0.32
FDRH4D18-390	39	M	0.709	0.30
FDRH4D18-470	47	M	0.922	0.28
FDRH4D18-560	56	M	1.080	0.26
FDRH4D18-680	68	M	1.300	0.24
FDRH4D18-820	82	M	1.550	0.22
FDRH4D18-101	100	M	1.730	0.20
FDRH4D18-121	120	M	2.390	0.18
FDRH4D18-151	150	M	2.670	0.15
FDRH4D18-181	180	M	4.000	0.14

Inductance Range/電感範圍:1.0~180 μH

Operating Temperature/工作溫度: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage Temperature/儲存溫度: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

(1) Test frequency :100KHz/0.1V;

(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/0.1V;

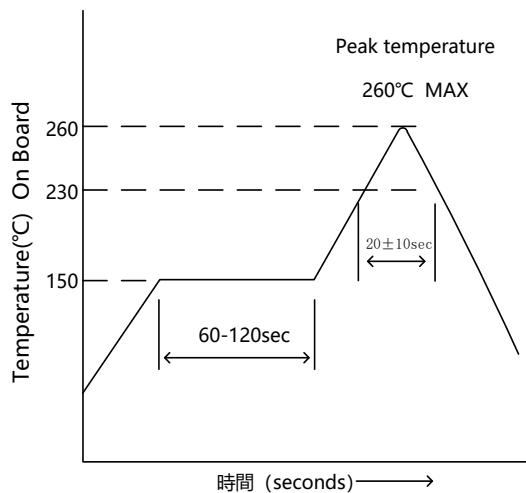
(2) 最大容許電流定義:電感下降35%或溫度上升 40°C 時,取其小值作為最大容許電流(周圍環境溫度 25°C).



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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