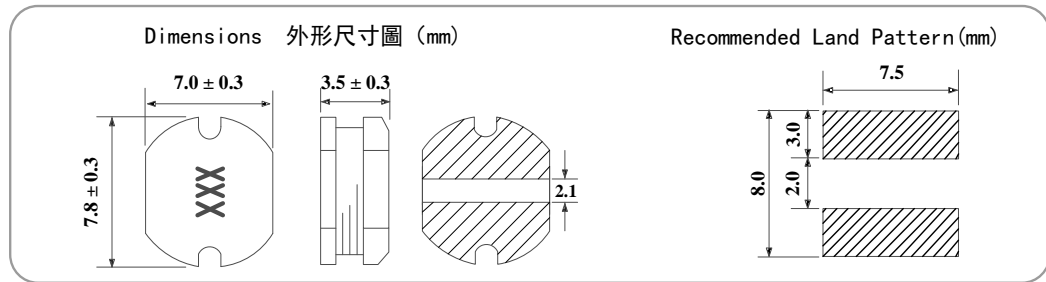
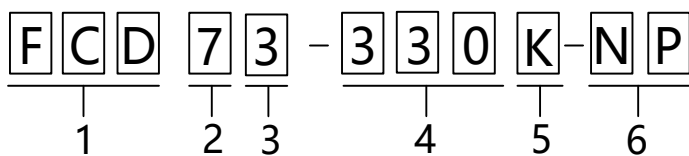




Type: FCD73



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : FCD (Unshielded/無屏蔽)
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 : K $\pm 10\%$, M $\pm 20\%$
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:1000PCS.
- Rotundity 7.8mm type(8.1mm Max),Height 3.5mm TYP.
- Carrier tape is used for SMT.
- 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:1000PCS.
- 圓形7.8mm(8.1mm Max),高度3.5mm TYP.
- 使用載帶包裝運用於SMT.
- 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.

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) |
|----------------|------------------------------------|--------------------|--------------------------------------|-----------------------------|
| FCD73-1R0 | 1.0 | M | 0.012 | 5.32 |
| FCD73-1R5 | 1.5 | M | 0.018 | 5.20 |
| FCD73-2R2 | 2.2 | M | 0.022 | 3.80 |
| FCD73-2R7 | 2.7 | M | 0.025 | 2.90 |
| FCD73-3R3 | 3.3 | M | 0.050 | 2.80 |
| FCD73-3R9 | 3.9 | M | 0.051 | 2.70 |
| FCD73-4R7 | 4.7 | M | 0.052 | 2.50 |
| FCD73-100 | 10 | M | 0.08 | 1.44 |
| FCD73-120 | 12 | M | 0.09 | 1.39 |
| FCD73-150 | 15 | M | 0.10 | 1.24 |
| FCD73-180 | 18 | M | 0.11 | 1.12 |
| FCD73-220 | 22 | M | 0.13 | 1.07 |
| FCD73-270 | 27 | M | 0.15 | 0.94 |
| FCD73-330 | 33 | K | 0.17 | 0.85 |
| FCD73-390 | 39 | K | 0.22 | 0.74 |
| FCD73-470 | 47 | K | 0.25 | 0.68 |
| FCD73-560 | 56 | K | 0.28 | 0.64 |
| FCD73-680 | 68 | K | 0.33 | 0.59 |
| FCD73-820 | 82 | K | 0.41 | 0.54 |
| FCD73-101 | 100 | K | 0.48 | 0.51 |
| FCD73-121 | 120 | K | 0.54 | 0.49 |
| FCD73-151 | 150 | K | 0.75 | 0.40 |
| FCD73-181 | 180 | K | 1.02 | 0.36 |
| FCD73-221 | 220 | K | 1.20 | 0.31 |
| FCD73-271 | 270 | K | 1.31 | 0.29 |

Inductance Range/電感範圍:1.0~470 μH

Operating Temperature/工作溫度:-40°C ~ +125°C

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

(1) Test frequency :1.0~10 μH at 100KHz/0.25V;
12~470 μH at 1kHz/0.25V.

(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 10%, or temperature to rise by 40°C,whichever is smaller (At ambient reference temperature:25°C).

(1) 電感測試頻率:1.0~10 μH 在100KHz/0.25V;
12~470 μH 在 1kHz/0.25V.

(2) 最大容許電流定義:電感下降10%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).

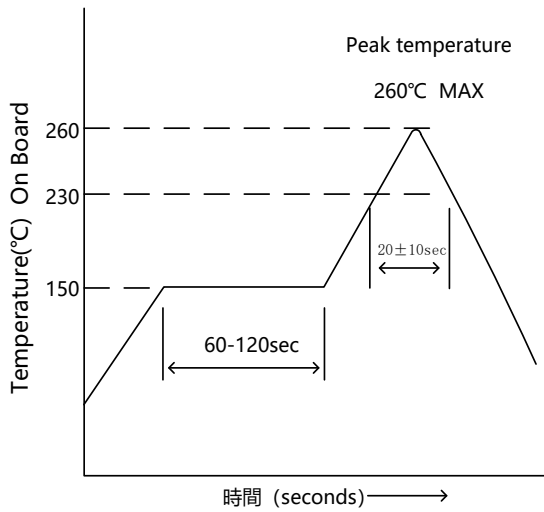


| Part NO. 品名 | Inductance 電感量(μH) | Tolerance 公差(%) | DC Resistance 直流電阻Max(Ω) | Rated Current 額定電流Max(A) |
|----------------|-----------------------|--------------------|-----------------------------|-----------------------------|
| FCD73-331 | 330 | K | 1.50 | 0.28 |
| FCD73-391 | 390 | K | 2.70 | 0.27 |
| FCD73-471 | 470 | K | 3.00 | 0.25 |

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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