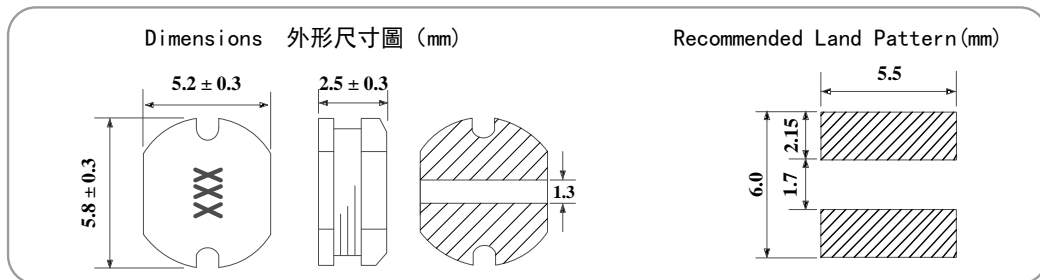
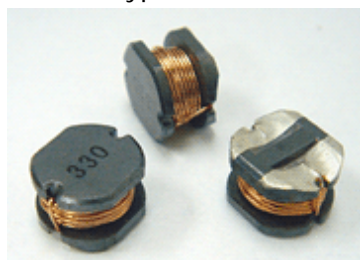
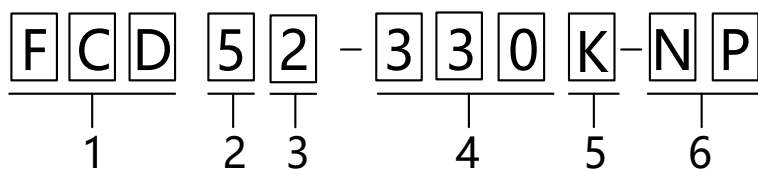




Type: FCD52



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 :  $\mu\text{H}$
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:2000PCS.
- Rotundity 5.8mm type(6.1mm Max),Height 2.5mm 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:2000PCS.
- 圓形5.8mm(6.1mm Max),高度2.5mm 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( $\mu\text{H}$ )	Tolerance 公差(%)	DC Resistance 直流電阻Max( $\Omega$ )	Rated Current 額定電流Max(A)
FCD52-1R2	1.2	M	0.05	4.20
FCD52-1R5	1.5	M	0.06	4.00
FCD52-1R8	1.8	M	0.065	3.70
FCD52-2R2	2.2	M	0.07	3.50
FCD52-2R7	2.7	M	0.08	3.20
FCD52-3R3	3.3	M	0.10	2.70
FCD52-3R9	3.9	M	0.12	2.40
FCD52-4R7	4.7	M	0.14	2.00
FCD52-5R6	5.6	M	0.15	1.80
FCD52-6R8	6.8	M	0.16	1.50
FCD52-8R2	8.2	M	0.17	1.40
FCD52-100	10	K	0.20	1.30
FCD52-120	12	K	0.23	1.10
FCD52-150	15	K	0.25	1.05
FCD52-180	18	K	0.30	1.00
FCD52-220	22	K	0.35	0.90
FCD52-270	27	K	0.40	0.85
FCD52-330	33	K	0.50	0.75
FCD52-390	39	K	0.55	0.70
FCD52-470	47	K	0.65	0.60
FCD52-560	56	K	0.75	0.55
FCD52-680	68	K	0.95	0.50
FCD52-820	82	K	1.20	0.45
FCD52-101	100	K	1.40	0.40
FCD52-121	120	K	1.75	0.35

Inductance Range/電感範圍:1.2~470  $\mu\text{H}$

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

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

(1) Test frequency :1.2~10  $\mu\text{H}$  at 100KHz/0.25V;  
12~470 $\mu\text{H}$  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:1.2~10  $\mu\text{H}$ 在100KHz/0.25V;  
12~470 $\mu\text{H}$ 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).

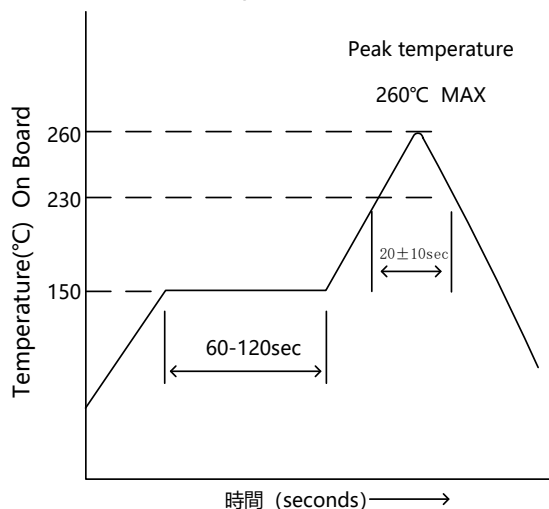


Part NO. 品名	Inductance 電感量(μH)	Tolerance 公差(%)	DC Resistance 直流電阻Max(Ω)	Rated Current 額定電流Max(A)
FCD52-151	150	K	2.00	0.25
FCD52-181	180	K	2.60	0.22
FCD52-221	220	K	3.00	0.20
FCD52-271	270	K	3.70	0.18
FCD52-331	330	K	4.30	0.17
FCD52-391	390	K	6.00	0.16
FCD52-471	470	K	6.70	0.15

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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