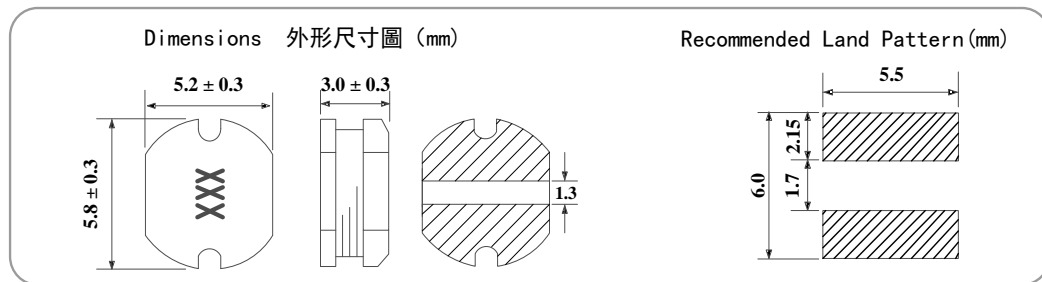
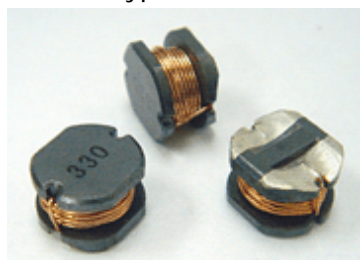
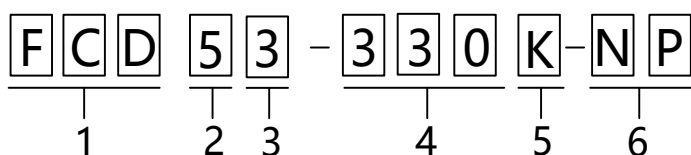




Type: FCD53



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:2000PCS.
- Rotundity 5.8mm type(6.1mm Max),Height3.0mm 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3.0mm 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)
FCD53-1R0	1.0	M	0.03	4.50
FCD53-1R2	1.2	M	0.03	4.20
FCD53-1R5	1.5	M	0.03	4.10
FCD53-1R8	1.8	M	0.03	3.70
FCD53-2R2	2.2	M	0.03	3.50
FCD53-2R7	2.7	M	0.04	3.20
FCD53-3R3	3.3	M	0.05	2.80
FCD53-3R9	3.9	M	0.06	2.60
FCD53-4R7	4.7	M	0.07	2.50
FCD53-5R6	5.6	M	0.08	2.40
FCD53-6R8	6.8	M	0.09	2.20
FCD53-8R2	8.2	M	0.10	2.00
FCD53-100	10	M	0.12	1.80
FCD53-120	12	M	0.13	1.75
FCD53-150	15	M	0.15	1.70
FCD53-180	18	M	0.18	1.60
FCD53-220	22	M	0.22	1.50
FCD53-270	27	K	0.24	1.40
FCD53-330	33	K	0.30	1.10
FCD53-390	39	K	0.40	1.00
FCD53-470	47	K	0.43	0.90
FCD53-560	56	K	0.50	0.85
FCD53-680	68	K	0.60	0.80
FCD53-820	82	K	0.80	0.65
FCD53-101	100	K	0.90	0.60

Inductance Range/電感範圍:1.0~1000 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;
12~1000 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;
12~1000 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).

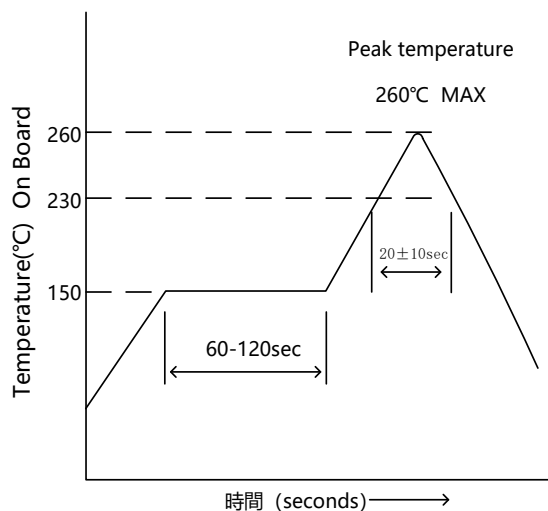


Part NO. 品名	Inductance 電感量(μH)	Tolerance 公差(%)	DC Resistance 直流電阻Max(Ω)	Rated Current 額定電流Max(A)
FCD53-121	120	K	1.00	0.58
FCD53-151	150	K	1.30	0.43
FCD53-181	180	K	1.50	0.41
FCD53-221	220	K	2.00	0.38
FCD53-271	270	K	2.50	0.35
FCD53-331	330	K	3.20	0.28
FCD53-391	390	K	3.50	0.26
FCD53-471	470	K	4.20	0.20
FCD53-561	560	K	4.50	0.19
FCD53-681	680	K	6.00	0.18
FCD53-821	820	K	6.50	0.15
FCD53-102	1000	K	8.00	0.13

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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