



Fonrita
方瑞達電子

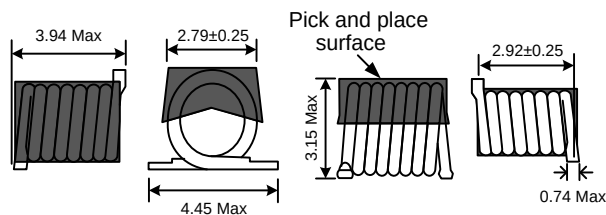
MINI AIR CORE INDUCTORS

微型空芯電感

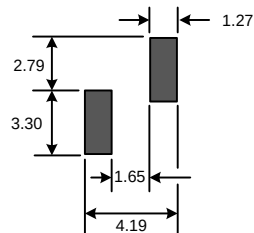
Type: FCR0302



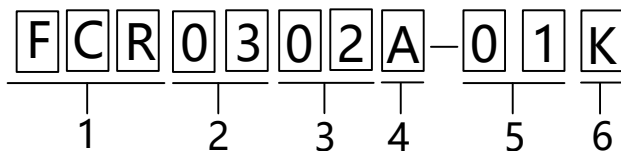
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : FCR(Unshielded/無屏蔽)
2. Body length/產品長度 : mm
3. Body wide/產品寬度 : mm
4. Type/類別
5. Turns/圈數 : TS
6. Tolerance/公差 : G $\pm 2\%$, J $\pm 5\%$, K $\pm 10\%$



FEATURES:

- Small air core inductors feature high Q.
- Acrylic jacket provides a flat top for pick and place.
- Solder coated leads ensure reliable soldering.
- RF Circuit of in telecommunication and other Equipments.

特長:

- 小型空芯電感,高Q值.
- 亞克力平坦頂部,便於挑選與放置.
- 引腳鍍錫,高度可靠焊接性.
- 應用於通訊電子設備等射頻產品.

ELECTRICAL CHARACTERISTICS/電氣特性

Part NO. 品名	Inductance 電感量(nH)	Tolerance 公差(%)	Q Min.	SRF(GHz) Min.	RDC直流電阻 Max(mΩ)	Rated Current 額定電流(A)	Turns 圈數
FCR0302A-01	2.5	K	145	12.5	1.1	4.0	1
FCR0302A-02	5.0	G,J	140	6.5	1.8	4.0	2
FCR0302A-03	8.0	G,J	140	5.0	2.6	4.0	3
FCR0302A-04	12.5	G,J	137	3.3	3.4	4.0	4
FCR0302A-05	18.5	G,J	132	2.5	3.9	4.0	5

Inductance Range/電感範圍:2.5~18.5nH

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

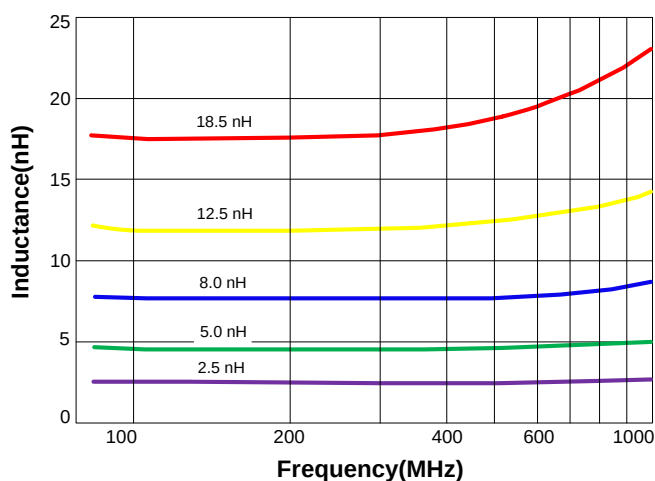
Storage Temperature/儲存溫度: -40°C ~ +125°C

(1) L, Q Test frequency :150MHz;

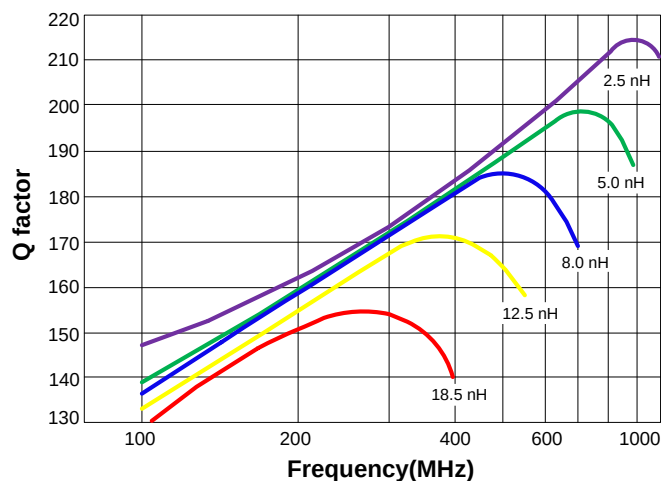
(1) 電感量和Q值測試頻率:150MHz;

CHARACTERISTICS CURVE/特性曲線

Typical L vs Frequency

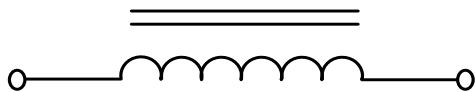


Typical Q vs Frequency

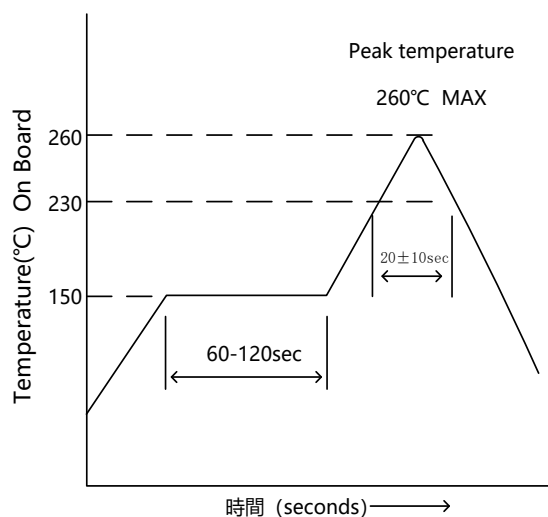




Electrical Schematic/原理圖



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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