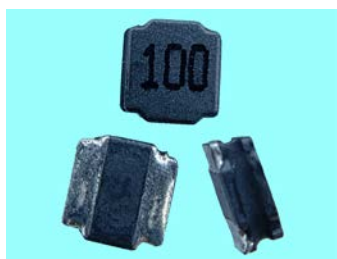
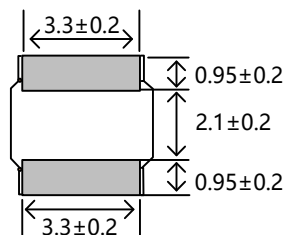
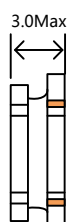
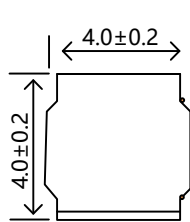




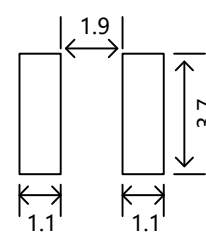
Type: FLQH4030



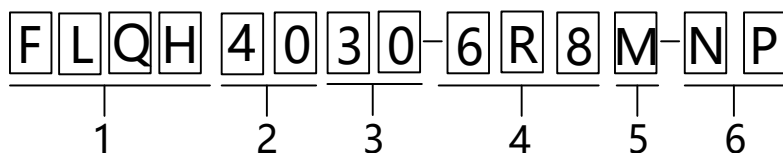
Dimensions外形尺寸(mm)



Recommended Land Pattern(mm)



PRODUCT IDENTIFICATION/產品標識



- 1.Product symbol/產品類型 : FLQH(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 4.0mm type(4.2mm Max),Height 3.0mm Max.
- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Widely use in DC-DC converter/Notebook/Camcorders, HDTV .

特長:

- 數量/卷:2000PCS.
- 方形4.0mm(4.2mm Max),高度3.0mm Max.
- 磁性樹脂屏蔽結構將噪聲降至超低水平.
- 廣泛應用於升降壓轉換器/筆記本電腦/攝像機, 高清電視.

ELECTRICAL CHARACTERISTICS/電氣特性

| Part NO. 品名 | Inductance 電感量(μH) | Tolerance 公差(%) | RDC直流電阻 Max(Ω) | SRF(MHz) Min. | I sat(Max) 飽和電流(A) | I rms(Max) 溫升電流(A) |
|----------------|------------------------------------|--------------------|----------------------------|------------------|-----------------------|-----------------------|
| FLQH4030-R68 | 0.68 | N | 0.013 | 130 | 6.80 | 4.56 |
| FLQH4030-R91 | 0.91 | N | 0.017 | 100 | 6.25 | 4.15 |
| FLQH4030-1R0 | 1.0 | N | 0.018 | 70 | 5.26 | 4.15 |
| FLQH4030-1R2 | 1.2 | N | 0.020 | 70 | 5.26 | 3.82 |
| FLQH4030-1R5 | 1.5 | N | 0.026 | 62 | 4.84 | 3.34 |
| FLQH4030-1R8 | 1.8 | N | 0.033 | 60 | 5.40 | 3.20 |
| FLQH4030-2R2 | 2.2 | N | 0.039 | 52 | 4.90 | 2.95 |
| FLQH4030-3R3 | 3.3 | M | 0.052 | 38 | 3.30 | 2.40 |
| FLQH4030-3R6 | 3.6 | M | 0.052 | 37 | 3.00 | 2.40 |
| FLQH4030-3R9 | 3.9 | M | 0.074 | 32 | 3.00 | 2.10 |
| FLQH4030-4R3 | 4.3 | M | 0.074 | 37 | 2.95 | 2.10 |
| FLQH4030-4R7 | 4.7 | M | 0.078 | 31 | 2.90 | 2.00 |
| FLQH4030-5R6 | 5.6 | M | 0.085 | 30 | 2.60 | 1.95 |
| FLQH4030-6R8 | 6.8 | M | 0.117 | 24 | 2.75 | 1.60 |
| FLQH4030-7R5 | 7.5 | M | 0.117 | 26 | 2.20 | 1.65 |
| FLQH4030-8R2 | 8.2 | M | 0.117 | 26 | 2.10 | 1.60 |
| FLQH4030-100 | 10 | M | 0.130 | 21 | 1.95 | 1.50 |
| FLQH4030-120 | 12 | M | 0.175 | 18 | 1.70 | 1.30 |
| FLQH4030-150 | 15 | M | 0.247 | 16 | 1.65 | 1.11 |
| FLQH4030-180 | 18 | M | 0.260 | 10 | 1.40 | 1.10 |
| FLQH4030-220 | 22 | M | 0.292 | 10 | 1.30 | 1.00 |
| FLQH4030-270 | 27 | M | 0.338 | 10 | 1.15 | 0.90 |
| FLQH4030-330 | 33 | M | 0.429 | 10 | 1.10 | 0.84 |
| FLQH4030-360 | 36 | M | 0.436 | 9.8 | 1.05 | 0.83 |
| FLQH4030-390 | 39 | M | 0.566 | 9.8 | 1.03 | 0.73 |
| FLQH4030-470 | 47 | M | 0.579 | 8.4 | 0.95 | 0.72 |

Inductance Range/電感範圍:0.68~680 μH

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

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

(1) Test frequency :100KHz/1.0V;

(2) The maximum allowable current is a DC current which causes initial inductance to decrease by 30%,or temperature to rise by 40°C, whichever is smaller(At ambient reference temperature:25°C).

(1) 電感測試頻率:100KHz/1.0V;

(2) 最大容許電流定義:電感下降30%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).

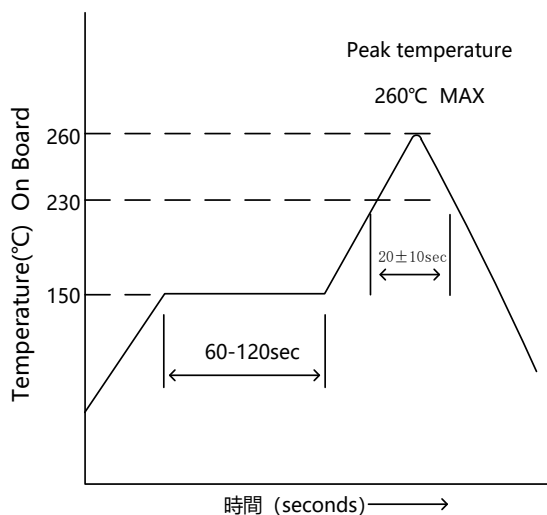


| Part NO. 品名 | Inductance 電感量(μH) | Tolerance 公差(%) | RDC直流電阻 Max(Ω) | SRF(MHz) Min. | I sat(Max) 飽和電流(A) | I rms(Max) 溫升電流(A) |
|----------------|-----------------------|--------------------|-------------------|------------------|-----------------------|-----------------------|
| FLQH4030-510 | 51 | M | 0.611 | 8.4 | 0.90 | 0.70 |
| FLQH4030-560 | 56 | M | 0.722 | 8.4 | 0.85 | 0.65 |
| FLQH4030-620 | 62 | M | 0.761 | 7.0 | 0.80 | 0.63 |
| FLQH4030-680 | 68 | M | 1.128 | 7.0 | 0.72 | 0.52 |
| FLQH4030-750 | 75 | M | 1.326 | 6.3 | 0.70 | 0.48 |
| FLQH4030-820 | 82 | M | 1.378 | 5.6 | 0.66 | 0.47 |
| FLQH4030-910 | 91 | M | 1.430 | 5.6 | 0.65 | 0.46 |
| FLQH4030-101 | 100 | M | 1.495 | 5.6 | 0.60 | 0.45 |
| FLQH4030-121 | 120 | M | 1.755 | 5.4 | 0.55 | 0.42 |
| FLQH4030-151 | 150 | M | 2.340 | 4.0 | 0.50 | 0.30 |
| FLQH4030-221 | 220 | M | 3.250 | 4.0 | 0.40 | 0.30 |
| FLQH4030-331 | 330 | M | 5.200 | 4.0 | 0.30 | 0.25 |
| FLQH4030-471 | 470 | M | 9.360 | 2.0 | 0.30 | 0.20 |
| FLQH4030-501 | 500 | M | 9.027 | 2.0 | 0.28 | 0.15 |
| FLQH4030-681 | 680 | M | 9.854 | 1.2 | 0.19 | 0.14 |

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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