

## ■ 片式排容

片式排容是由若干個電容并排列而成的電容陣列，應用於對元器件空間要求嚴格的PCB，如手提電腦、PDA、手提電話等，特別適用於輸入、輸出接口電路。

### ● 特性

- \* 高密度安裝，節省安裝空間。
- \* 節省安裝成本。
- \* 適合回流焊接。

### ● 應用

- \* 適用於對元器件空間要求嚴格的PCB，如手提電腦、PDA、無繩電話。
- \* 特別適用於輸入、輸出接口電路。

### ● 產品規格型號表示方法

$\frac{612}{\text{T}}$      $\frac{4}{\text{T}}$      $\frac{\text{B}}{\text{T}}$      $\frac{102}{\text{T}}$      $\frac{\text{K}}{\text{T}}$      $\frac{500}{\text{T}}$      $\frac{\text{N}}{\text{T}}$      $\frac{\text{T}}{\text{T}}$   
 ①        ②        ③        ④        ⑤        ⑥        ⑦        ⑧

| ① 尺寸規格 |      |
|--------|------|
| 612    | 0612 |
| 508    | 0508 |
| 504    | 0504 |

| ② 內置單元數目 |        |
|----------|--------|
| 4        | 4個內置單元 |
| 2        | 2個內置單元 |

| ③ 介質種類 |         |
|--------|---------|
| 代碼     | 介質材料    |
| CG     | NPO/COG |
| B      | X7R     |
| F      | Y5V     |

| ④ 標稱電容量(PF) |                  |
|-------------|------------------|
| 表示方式        | 實際值              |
| 100         | $10 \times 10^0$ |
| 101         | $10 \times 10^1$ |
| 102         | $10 \times 10^2$ |

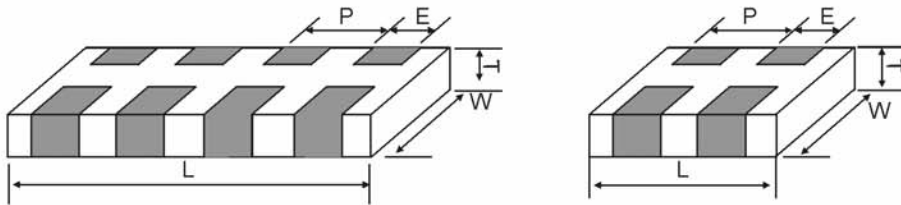
| ⑤ 誤差級別 |         |
|--------|---------|
| 代碼     | 誤差      |
| J      | ±5%     |
| G      | ±2%     |
| C      | ±0.25PF |
| K      | ±10%    |
| D      | ±0.50PF |
| M      | ±20%    |

| ⑦ 端頭類別 |                        |
|--------|------------------------|
| 表示方法   | 端頭材料                   |
| S      | 純銀端頭                   |
| C      | 純銅端頭                   |
| N      | 三層電鍍端頭<br>(銀或銅層/鎳層/錫層) |

| ⑥ 工作電壓 |      |
|--------|------|
| 表示方法   | 實際電壓 |
| 6R3    | 6.3V |
| 500    | 50V  |
| 101    | 100V |

| ⑧ 包裝方式 |        |
|--------|--------|
| 表示方法   | 包裝     |
| 無標記    | 袋裝散包裝  |
| T      | 編帶包裝   |
| B      | 塑料盒散包裝 |

• 外形尺寸



| 規格型號    | 尺寸( mm)     |                            |             |             |             |
|---------|-------------|----------------------------|-------------|-------------|-------------|
|         | L           | W                          | T           | P           | E           |
| 0805二聯體 | 2.00 ± 0.20 | 1.25 ± 0.20<br>1.00 ± 0.10 | 0.80 ± 0.10 | 1.00 ± 0.10 | 0.50 ± 0.05 |
| 0805四聯體 | 2.00 ± 0.20 | 1.25 ± 0.20<br>1.00 ± 0.10 | 0.80 ± 0.10 | 0.50 ± 0.05 | 0.25 ± 0.05 |
| 1206四聯體 | 3.20 ± 0.30 | 1.60 ± 0.20<br>1.00 ± 0.10 | 0.80 ± 0.10 | 0.80 ± 0.10 | 0.40 ± 0.10 |

• 電容量範圍

| 項目     | 0603 × 4 |     |     |     |     |     |     |     |     | 電容量    |
|--------|----------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
|        | COG      |     |     | X7R |     |     | Y5V |     |     |        |
| 尺寸     |          |     |     |     |     |     |     |     |     |        |
| 工作電壓   | 16V      | 25V | 50V | 16V | 25V | 50V | 16V | 25V | 50V |        |
| 電容量    |          |     |     |     |     |     |     |     |     | 電容量    |
| 0.5PF  |          |     |     |     |     |     |     |     |     | 0.5PF  |
| 5PF    |          |     |     |     |     |     |     |     |     | 5PF    |
| 10PF   |          |     |     |     |     |     |     |     |     | 10PF   |
| 15PF   |          |     |     |     |     |     |     |     |     | 15PF   |
| 20PF   |          |     |     |     |     |     |     |     |     | 20PF   |
| 22PF   |          |     |     |     |     |     |     |     |     | 22PF   |
| 33PF   |          |     |     |     |     |     |     |     |     | 33PF   |
| 47PF   |          |     |     |     |     |     |     |     |     | 47PF   |
| 100PF  |          |     |     |     |     |     |     |     |     | 100PF  |
| 150PF  |          |     |     |     |     |     |     |     |     | 150PF  |
| 220PF  |          |     |     |     |     |     |     |     |     | 220PF  |
| 330PF  |          |     |     |     |     |     |     |     |     | 330PF  |
| 470PF  |          |     |     |     |     |     |     |     |     | 470PF  |
| 1000PF |          |     |     |     |     |     |     |     |     | 1000PF |
| 2.2nF  |          |     |     |     |     |     |     |     |     | 2.2nF  |
| 3.3nF  |          |     |     |     |     |     |     |     |     | 3.3nF  |
| 4.7nF  |          |     |     |     |     |     |     |     |     | 4.7nF  |
| 6.8nF  |          |     |     |     |     |     |     |     |     | 6.8nF  |
| 10nF   |          |     |     |     |     |     |     |     |     | 10nF   |
| 22nF   |          |     |     |     |     |     |     |     |     | 22nF   |
| 33nF   |          |     |     |     |     |     |     |     |     | 33nF   |
| 47nF   |          |     |     |     |     |     |     |     |     | 47nF   |
| 68nF   |          |     |     |     |     |     |     |     |     | 68nF   |
| 100nF  |          |     |     |     |     |     |     |     |     | 100nF  |
| 220nF  |          |     |     |     |     |     |     |     |     | 220nF  |

| 項目     | 0502 × 4 |     |     |     |     |     |     |     |     | 0504 × 2 |     |     |     |     |     |     |     |     |   |
|--------|----------|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|---|
|        | COG      |     |     | X7R |     |     | Y5V |     |     | COG      |     |     | X7R |     |     | Y5V |     |     |   |
|        | 16V      | 25V | 50V | 16V | 25V | 50V | 16V | 25V | 50V | 16V      | 25V | 50V | 16V | 25V | 50V | 16V | 25V | 50V |   |
| 電容量    |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 0.5PF  | █        | █   | █   |     |     |     |     |     |     | █        | █   | █   |     |     |     |     |     |     |   |
| 5PF    |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 10PF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 15PF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 20PF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 22PF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 33PF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 47PF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 100PF  | █        | █   | █   | █   | █   | █   |     |     |     | █        | █   | █   | █   | █   | █   |     |     |     |   |
| 150PF  | █        | █   | █   | █   | █   | █   |     |     |     | █        | █   | █   | █   | █   | █   |     |     |     |   |
| 220PF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 330PF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 470PF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 1000PF |          |     |     |     |     |     | █   | █   | █   |          |     |     |     |     |     |     | █   | █   | █ |
| 2.2nF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 3.3nF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 4.7nF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 6.8nF  |          |     |     |     |     |     | █   | █   | █   |          |     |     |     |     |     |     |     |     |   |
| 10nF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 22nF   |          |     |     |     |     |     | █   | █   | █   |          |     |     | █   | █   | █   |     |     |     |   |
| 33nF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 47nF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 68nF   |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     | █   | █   | █ |
| 100nF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |
| 220nF  |          |     |     |     |     |     |     |     |     |          |     |     |     |     |     |     |     |     |   |