

SINLOON®

Electric Double Layer Capacitor - (金電容)  
Gold Capacitor Range: 0.047F to 0.47F

K-DCS Series  
Voltage: 5.5VDC

Features: (特性)

- Small-size large capacity. (小型大容量)
  - Smaller and lighter than DCS Series (更小更輕系列)
  - Wider temperature range (-25°C~70°C) than battery makes periodic change unnecessary.
- 溫度範圍由(-25°C~70°C), 不必要如電池需要周期性更換.

Applications (應用)



Ordering information (採購貨編)

Exsample: V-Type K-DCS-5R5-473

| TYPE   | Part No. | Voltage    | Capacitance (F) | Figure |        |        |
|--------|----------|------------|-----------------|--------|--------|--------|
|        |          |            |                 | C-Type | H-Type | V-Type |
| C-Type | K-DCS    | 5R5 (5.5V) | 0.047 (473)     |        |        |        |
| H-Type |          |            | 0.10 (104)      |        |        |        |
| V-Type |          |            | 0.22 (224)      |        |        |        |
|        |          |            | 0.33 (334)      |        |        |        |
|        |          |            | 0.47 (474)      |        |        |        |

Specifications (技術參數)

| Items                  | Characteristics  |
|------------------------|--|
| Rated working voltage  | 5.5VDC   |
| Operating temperature  | -25°C~+70°C  |
| Maximum surge voltage  | 6.3VDC   |
| Nominal Cap. Range     | 0.047 to 0.47F   |
| Capacitance tolerance  | -20% to +80% (at +25°C)  |
| Low temperature(-25°C) | Capacitance change: ≤ 50% of the initial value at +25°C.<br>Internal resistance: Less than five times of initial value at +25°C  |
| Endurance              | After 1000hrs application of rated DC working voltage at +70°C,<br>The capacitor shall meet the following limits:<br>1.Capacitance change:±30% of the initial value.<br>2. Internal resistance: Less than four times of the initial value. |
| Shelf life             | After 1000hrs storage at +70°C without load, the capacitor shall meet the specified for "Endurance"  |

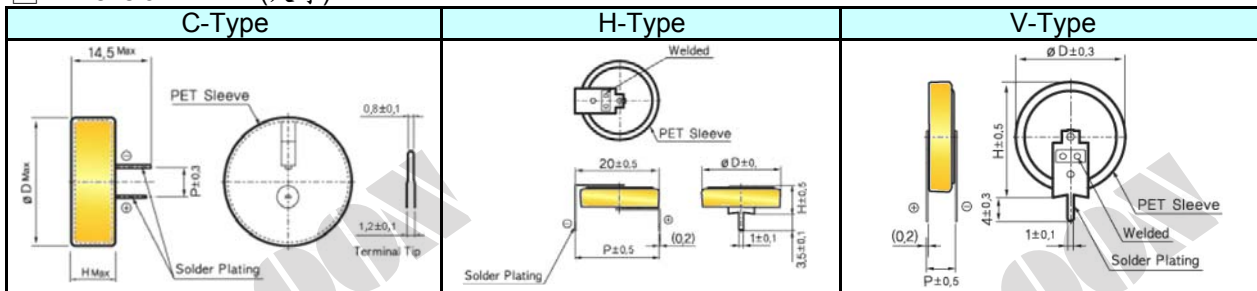
Standard products (標準規格型號)

Dimension (mm) 外型尺寸

| Part No.              | Cap. (F) | Operating Voltage | ESR @1KHz | C-Type |      |     | H-Type |     |      | V-Type |     |     |
|-----------------------|----------|-------------------|-----------|--------|------|-----|--------|-----|------|--------|-----|-----|
|                       |          |                   |           | ΦD     | H    | P   | ΦD     | H   | P    | ΦD     | H   | P   |
| K-DCS-5R5-473 (0.047) | 5.5VDC   |                   | ≤ 120 Ω   | 11.5   | 12.5 | 5.0 | 11.5   | 5.5 | 10.0 | 13.5   | 6.5 | 5.0 |
| K-DCS-5R5-104 (0.10)  |          |                   | ≤ 75 Ω    | 11.5   | 12.5 | 5.0 | 11.5   | 5.5 | 10.0 | 13.5   | 6.5 | 5.0 |
| K-DCS-5R5-224 (0.22)  |          |                   | ≤ 75 Ω    | 11.5   | 12.5 | 5.0 | 11.5   | 5.5 | 10.0 | 13.5   | 6.5 | 5.0 |
| K-DCS-5R5-334 (0.33)  |          |                   | ≤ 50 Ω    | 11.5   | 12.5 | 5.0 | 11.5   | 5.5 | 10.0 | 13.5   | 6.5 | 5.0 |
| K-DCS-5R5-474 (0.47)  |          |                   | ≤ 50 Ω    | 11.5   | 12.5 | 5.0 | 11.5   | 5.5 | 10.0 | 13.5   | 6.5 | 5.0 |

Note: It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process.

Dimension in mm (尺寸)



\* Others data not in the specification of data, please contact us.

如果你要求的規格不在本規格書裡請與我們聯絡。