

SINLOON®

Coin Super Capacitor - (金電容)

JPSE Series

Super Capacitor Range: 0.47F~1.5F

Voltage: 5.5VDC

□ Features: (特性)

- Small-size large capacity. (小型大容量)
- Smaller and lighter than K-DCL Series (便小更輕系列)
- Wide 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)

Example: V-Type JP-SE5R5155

TYPE	Part No.	Voltage	Capacitance (F)	Figure		
C-Type	JPSE	5R5 (5.5V)	0.47 (155)	C-Type	H-Type	V-Type
H-Type			1.0 (105)			
V-Type			1.5 (155)			

□ Specifications (技術參數)

Items	Characteristics		
Rated discharge Capacitance	0.47F (474)	1.0F (105)	1.5F (155)
Rated working voltage ⁽¹⁾	5.5VDC	5.5VDC	5.5VDC
Capacitor tolerance	-20% ~ +80%	-20% ~ +80%	-20% ~ +80%
Max. work voltage	6.0V	6.0V	6.0V
Leakage current Max (µA)	150µA	200µA	250µA
ESR Maximum (Ω)	20Ω	15Ω	10Ω
Work temperature range	-25°C ~ +70°C	-25°C ~ +70°C	-25°C ~ +70°C
Storage temperature range	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Temperature characteristics	ΔC/C, ≤ 30%, ESR ≤ specified ESR(25°C) at +70°C. ΔC/C, ≤ 30%, ESR ≤ 4 times of specified ESR(25°C) at -25°C		
High temperature load characteristics	ΔC/C, ≤ 30%, ESR ≤ 4 times of specified ESR(25°C) at +70±2°C. 1000hrs/stand by after fully charge		
High Temp. storage characteristics	ΔC/C, ≤ 30%, ESR ≤ 2 times of specified ESR(25°C) at +70±2°C. 1000hrs/stand by after fully charge		
Humidity Resistance	+40°C±2, +90~95%RH, 240Hrs, ΔC/C, ≤ 30%, IL ≤ 2 times of specified leakage current, ESR ≤ 4 times of specified ESR(25°C)		

Remark ⁽¹⁾: Standard charge model, then discharge to 0.1V at rated current, Repeat 20 times

$$C = I \Delta t / \Delta V, \Delta V = 1.5 \sim 1.25V \text{ in the fifth discharge.}$$

□ Standard products (標準規格型號)

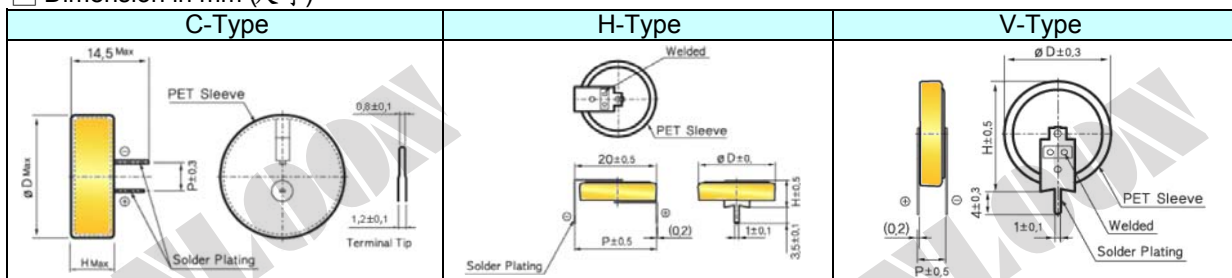
□ Dimension (mm) 外型尺寸

Part No.	Cap. (F)	Operating Voltage	ESR Max.	C-Type (±0.5mm)			H-Type (±0.5mm)			V-Type (±0.5mm)		
				ΦD	H	P	ΦD	H	P	ΦD	H	P
JPSE	0.47F	5.5VDC	≤ 20 Ω	20.5	7.5	6.0	18.5	5.7	17.5	18.5	4.5	4.5
JPSE	1.0F		≤ 15 Ω	20.5	7.5	6.0	18.5	5.7	17.5	18.5	4.5	4.5
JPSE	1.5F		≤ 10 Ω	20.5	7.5	6.0	18.5	5.7	17.5	18.5	4.5	4.5

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

注意: 不允許使用回流焊錫.

□ 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.