

SUPER CAPACITOR

SC1018-2.0F Brief Datasheet

1 BASIC SPECIFICATION:

Model	SC1018	
Nominal Capacity	2.0F (at 25°C $\Delta V=1.5V-1.25V, I=0.01A$)	
Capacity tolerance	-20%~+80%	
Nominal voltage	2.7V	
Equivalent Resistance in Series (ERS)	AC(1kHz)	≤ 350 mohms
	DC(0.1A)	≤ 500 mohms
Size	$\phi 8mm \times 20mm$	
Working temperature	-25°C ~+70°C	
High temperature performance with loading	After continuously working for 1000 hours at 70°C	
	ΔC	$\leq 30\%$ of initial value
	ERS	$\leq 400\%$ of rules value
High temperature performance without loading	After continuously working for 1000±4 hours at 70°C	
	ΔC	$\leq 30\%$ of initial value
	ERS	$\leq 200\%$ of rules value
Temperature performance	At -25°C	$\Delta C \leq 50\%$ of initial value
		ERS $\leq 400\%$ of initial value
	At 70°C	$\Delta C \leq 30\%$ of initial value
		ERS $\leq 100\%$ of rules value
Humidity-resistance performance	After continuously working for 240 hours at 40°C and 90-95%RH	
	ΔC	$\leq 30\%$ of initial value
	IL	$\leq 200\%$ of ruled value
	ERS	$\leq 400\%$ of rules value
Cycle life	Repeat charge and discharge for 100000 cycles at 25°C	
	ΔC	$\leq 30\%$ of initial value
	ERS	$\leq 400\%$ of rules value

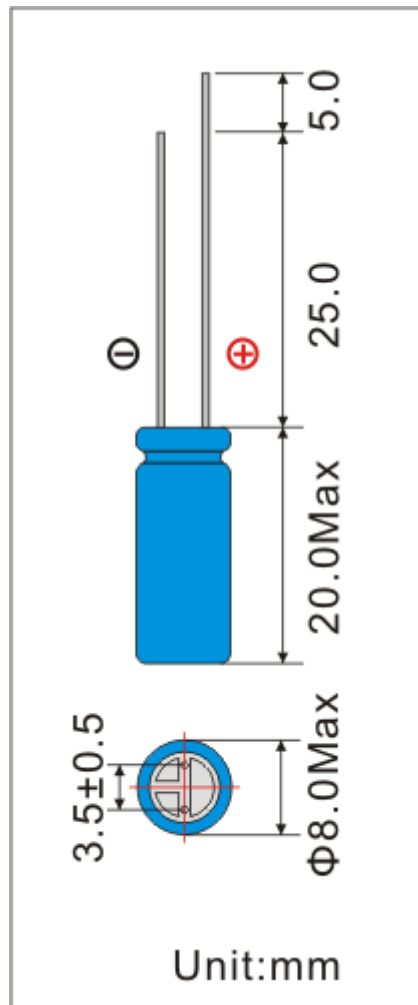
2. WARNING!

* Do not overcharge, force discharge, short-circuit, disassemble, deform, heat or place the capacitor near a direct flame. Any of the above actions could cause it to ignite, explode or become damaged.

* Keep this capacitor out of the reach of children.

Note: Any representations in this brochure concerning performance, are for informational purposes only and are not construed as warranties either expressed or implied, of future performance.

3. DIMENSION



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