

# SUPER CAPACITOR

## SC0816-1.0F Brief Datasheet

### 1 BASIC SPECIFICATION:

Model	SC0816	
Nominal Capacity	1.0F (at 25°C $\Delta V=1.5V-1.25V, I=0.1A$ )	
Capacity tolerance	-20%~+80%	
Nominal voltage	2.7V	
Equivalent Resistance in Series (ERS)	AC(1kHz)	$\leq 600$ mohms
	DC(0.1A)	$\leq 900$ mohms
Size	$\phi 8mm \times 13mm$	
Working temperature	-25°C ~+70°C	
High temperature performance with loading	After continuously working for 1000 hours at 70°C	
	$\Delta C$	$\leq 30\%$ of initial value
	ERS	$\leq 400\%$ of rules value
High temperature performance without loading	After continuously working for 1000±4 hours at 70°C	
	$\Delta C$	$\leq 30\%$ 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	
	$\Delta C$	$\leq 30\%$ 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	
	$\Delta C$	$\leq 30\%$ of initial value
	ERS	$\leq 400\%$ of rules value

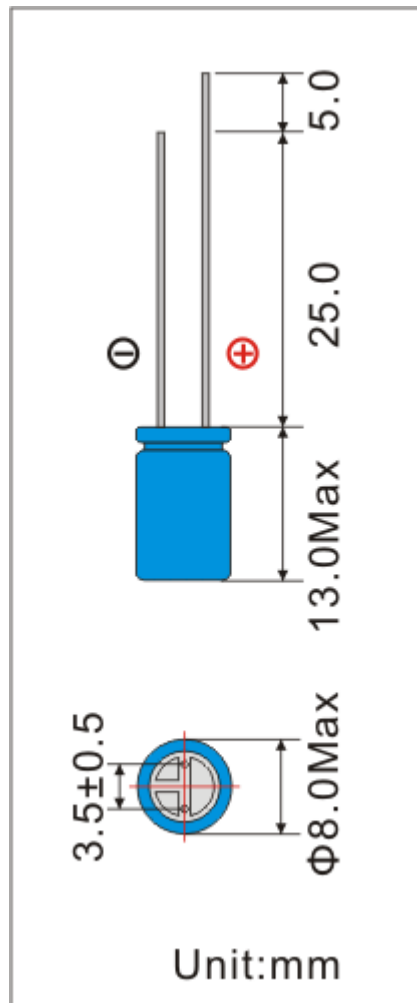
### 2. WARNING!

\* 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.

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3. DIMENSION



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