

■ Features

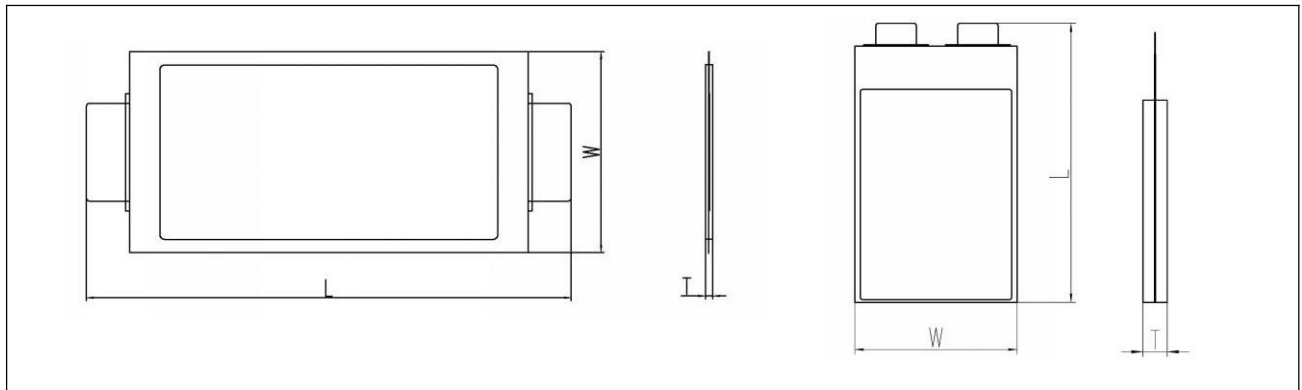
- Lower ESR ,
- Wider temperature range
- High energy density
- High power density
- RoHS compliant



Items	Characteristics		
Rated Voltage	2.5V~4.0V		
Operating Temperature Range	-25 ~+55°C		
Surge Voltage	4.35V		
Capacitance Range	1000~16000 F		
Capacitance Tolerance (25°C)	-20~+20%		
Temperature Characteristics	The specifications shall be met at category temperature range from -25°C to 55°C	Capacitance range	Within 40% of the value at 25°C
		ESR _{AC}	Less than 400% of the value at 25°C
High Temperature Loaded	The specifications shall be met after rated voltage applied at 55°C for 1000 hours	Capacitance range	Within 20% of the initial value
		ESR _{AC}	Less than 200% of the initial value
High Temperature Storage	The specifications shall be met after storage at 55°C for 1000 hours	Capacitance range	Within 20% of the initial value
		ESR _{AC}	Less than 200% of the initial value
Cycle Life	The specifications shall be met after 50,000 cycles at 25 °C , cycle of charge/discharge from 2.5~4.0V.	Capacitance range	Within 20% of the initial value
		ESR _{AC}	Less than 200% of the initial value

Dimensions

mm



Standard Ratings for SCCHAA Series

U _R (Surge Voltage) Code	Rated Cap. 25°C, (F)	Impedance		Rated Current (A)	Self-discharge (72hrs) (V)	Dimension (L*W*T) (mm)	P/N
		ESR _{DC} (mΩ)	ESR _{AC} (1KHz) (mΩ)				
4.0 (4.35) 4R0	1000	≤20	≤9	5	≥3.92	100 x 71 x 3.0	SCCHAA4R0108M
	2000	≤9	≤5	10	≥3.92	100 x 71 x 5.5	SCCHAA4R0208M
	3200	≤5.5	≤3	16	≥3.92	100 x 60 x 9.0	SCCHAA4R0328M
	6000	≤3.5	≤2.5	30	≥3.92	295 x 123 x 3.5	SCCHAA4R0608M
	10000	≤1.8	≤1.2	50	≥3.92	295 x 123 x 5.5	SCCHAA4R0109M
	16000	≤1.2	≤1.0	50	≥3.92	295 x 123 x 8.0	SCCHAA4R0169M