



FEATURES

- PIN TYPE Super-Capacitor
- Target Application : Electric Pencil
- Low ESR Structure
- High Voltage

SPECIFICATION

ITEM		CHARACTERISTICS	
Rated Voltage (V_R)		UNIT CELL : 3 V, 2S MODULE : 6V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR Change	100% increase from specified value
Cycle Life Characteristics	Cycle	500,000	
	Cap. Change	≤ 30% of initial value	
	ESR Change	≤ 2 times of specified value	
	Condition	Cycle of Charge/discharge from V_R to $1/2V_R$	
Shelf Life		2 Years No Electrical Change, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of initial value)	

EDLC								
Spec.	UNIT CELL				MODULE			
Size	4x25	4x35	5x25	5x35	4.0x8.0x25.0	4.0x8.0x35.0	5.0x10.0x25.0	8.0x10.0x35.0
V_r (V)	3	3	3	3	6	6	6	6
Capacitance(F)	1.5	2.0	2.5	3.0	0.8	1.0	1.3	1.5
AC-ESR (mΩ)	40	55	65	90	80	110	130	180
L/C (mA/72hr)	0.0015	0.0022	0.0025	0.0035	0.0030	0.0044	0.0050	0.0070
Hybrid Capacitor								
Spec.	UNIT CELL				MODULE			
Size	4x25	4x35	5x25	5x35	4.0x8.0x25.0	4.0x8.0x35.0	5.0x10.0x25.0	8.0x10.0x35.0
V_r (V)	3	3	3	3	6	6	6	6
Capacitance(F)	3.0	4.0	5.0	6.0	1.5	2.0	2.5	3.0
AC-ESR (mΩ)	120	150	180	270	240	300	360	540
L/C (mA/72hr)	0.005	0.007	0.009	0.012	0.010	0.014	0.018	0.024