

Electric Double Layer Capacitor

SPS Series – Snap-in Terminal

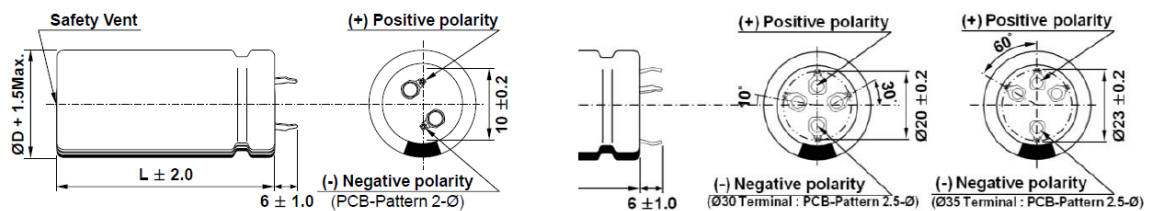
1. Features

- High power density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- Short-term Peak Power assist applications
- RoHS Compliant

2. Specifications

Item	Performance Characteristics	
Operating Temperature	-40 ~ +65°C	
Rated Voltage Range	2.7V / 3.0V	
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	≤ 2 times of specified value
	85°C Higher Temperature	Max. 2.3V / 2.4V
Cycle Life Characteristics	Cycle	Over 500,000
	ΔC	≤ 30% of initial value
	ESR	≤ 2 times of specified value
	Method	Cycle of Charge/discharge from V_R to $1/2V_R$
Shelf Life	2 Years	
	No Electrical Charge, Temperature below 70°C	
	$(\Delta C : \leq 30\%$ of the initial value / $\Delta ESR : \leq 50\%$ of specified value)	

3. Outline and Dimension



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4. Part Number Coding Rule

SPS	100F		2.7V		2245		□□
Series	Capacitance		Rated voltage		Size		Reserved
EDLC, Snap-in	Capacitance	Code	Voltage	Code	Size	Code	
	100F	100F	2.7V	2.7V	22 x 45	2245	
	220F	220F	3.0V	3V	25 x 70	2570	
	360F	360F			35 x 62	3562	
	400F	400F			35 x 72	3572	
	500F	500F			35 x 82	3582	

5. Standard Ratings

Rated voltage (V)	Rated Capacitance (F)	ESR (mΩ)		Max Current (A)	Leakage Current (mA, 72hr)	Size (mm)
		AC(1kHz)	DC			D x L
2.7	100	6.0	10.0	65	0.20	22 x 45
	220	4.5	7.0	115	0.44	25 x 70
	360	3.0	4.5	185	0.72	35 x 62
	400	3.0	4.5	190	0.80	35 x 72
	500	3.0	4.5	205	1.00	35 x 82
3.0	100	6.0	10	75	0.30	22 x 45
	360	3.0	4.5	200	1.08	35 x 62
	400	3.0	4.5	210	1.20	35 x 72
	500	3.0	4.5	230	1.50	35 x 82

* Max. Current : 1 sec discharge to 1/2V_R

* Please contact us if the rating data of request item did not show in above.