

## Features

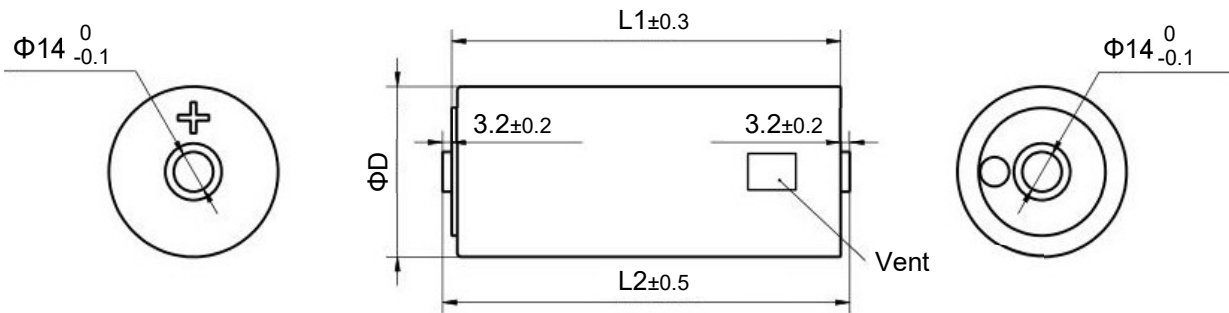
- Low ESR, High power performance
- Over 500,000 duty cycles
- Weldable terminal

## Applications

- EV/HEV
- Hybrid drive trains
- Mass transportation braking energy recovery system
- Heavy duty machinery
- Locomotive engine startup system



## Dimensions



Part Number	Dimension/ mm		
	D(Max.)	L1	L2
SCP0650C0-0003R0WLG	60.8	51.5	57.9
SCP1200C0-0003R0WLG	60.8	74	80.4
SCP1500C0-0003R0WLG	60.8	85	91.4
SCP2000C0-0003R0WLG	60.8	102	108.4
SCP3000C0-0003R0WLG	60.8	138	144.4
SCP5000C0-0003R0WLG	60.8	203.5	209.9

**Specifications**

Items	Characteristics
Operating Voltage	3.0 VDC
Surge Voltage	3.15 VDC
Operating Temperature Range	-40 °C to 65 °C
Capacitance Tolerance	-10% to +20% (25 °C)
Temperature Performance(-40 °C to 65 °C)	$\Delta C \leq 5\%$ of initial measured value@ 25 °C ESR $\leq 150\%$ of specified value
Life (1000 hours @ 65 °C, 2.7 VDC)	C $\geq 80\%$ of specified value ESR $\leq 200\%$ of specified value
Cycle life (500,000 cycles between $V_R$ and $1/2 V_R$ )	C $\geq 80\%$ of specified value ESR $\leq 200\%$ of specified value

**Standard Product**

CAP (F)	Part Number	ESR (mohm)		LC (mA, RT 72hrs)	Max. Energy Stored (Wh)	Max. Energy Density (Wh/Kg)	Max. Continuous Current (40°C,A)	Max. Peak Current (A)	Typical Mass (g)
		AC @ 1kHz	DC						
650	SCP0650C0-0003R0WLG	0.70	0.80	1.8	0.81	3.8	87	641	213
1200	SCP1200C0-0003R0WLG	0.40	0.58	2.5	1.50	5.2	116	1061	291
1500	SCP1500C0-0003R0WLG	0.33	0.47	3.0	1.88	5.5	135	1319	339
2000	SCP2000C0-0003R0WLG	0.25	0.35	3.5	2.50	6.2	168	1764	402
3000	SCP3000C0-0003R0WLG	0.22	0.29	5.2	3.75	6.8	208	2406	545
5000	SCP5000C0-0003R0WLG	0.21	0.28	13.0	6.25	7.8	250	3125	795

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