

## Features

- Low ESR, High power performance
- Over 1,000,000 duty cycles
- Weldable terminal

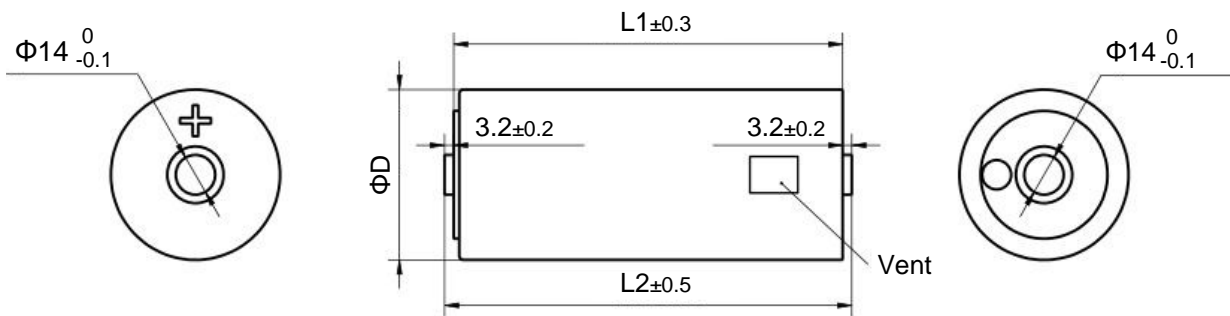
## Applications

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

## Dimensions



Cap	Dimension/ mm		
	D(Max.)	L1	L2
3000F	60.8	138	144.4



## Specifications

Items	Characteristics
Operating Voltage	2.7 VDC
Surge Voltage	2.85 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 (1500 hours @ 65°C, 2.7 VDC)	$\Delta C \leq 20\%$ of initial measured value ESR $\leq 200\%$ of specified value
Cycle life (1,000,000 cycles between $V_R$ and $1/2 V_R$ )	$\Delta C \leq 20\%$ of initial measured 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 (15/40°C,A)	Max. Peak Current (A)	Typical Thermal Resistance (Housing) °C/W	Typical Thermal Capacitance, $C_{th}$ , J/°C	Typical Mass (g)
		AC @ 1kHz	DC								
3000	SCP3000C0-0002R7WLG	0.22	0.29	5.2	3.04	5.6	128/208	2165	3.2	640	545