

Features

- Low ESR, High power performance
- Over 300,000 duty cycles
- Weldable terminal

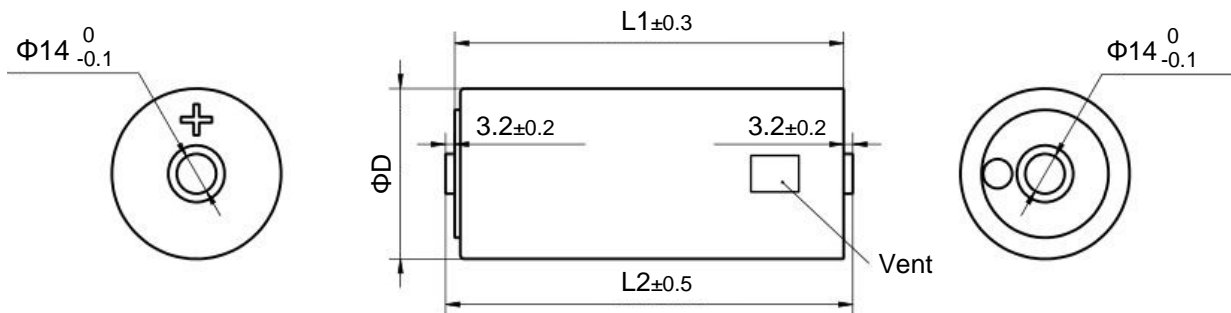
Applications

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



Cap	Dimension/ mm		
	D(Max.)	L1	L2
5600F	60.8	203.5	209.9

Dimensions



Specifications

Items	Characteristics
Operating Voltage	2.85 VDC
Surge Voltage	3.0 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, 2.85 VDC)	$\Delta C \leq 20\%$ of initial measured value ESR $\leq 200\%$ of specified value
Cycle life (300,000 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								
5600	SCP5600C0-002R85WLH	0.21	0.28	20	6.32	7.94	154/250	3107	2.3	930	795