

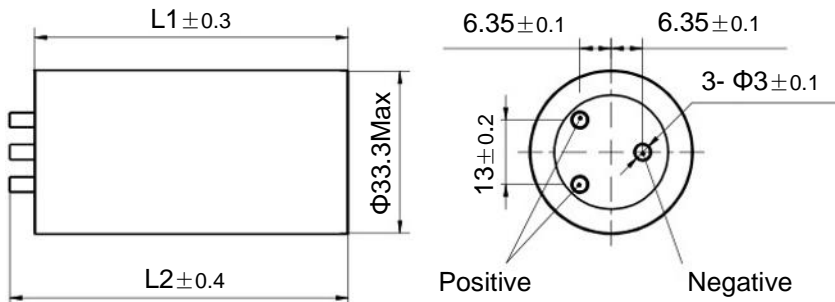
Features

- Cylindrical with soldering pillar terminal
- Low ESR
- Over 1000,000 duty cycles

Applications

- Pitching control system of Wind Turbine Generator
- UPS and backup power supply
- Electronic tools and police flash lights

Dimensions



Cap	Dimension/ mm	
	L1	L2
350F	63.8	68.7
450F	79.8	84.7
500F	79.8	84.7
600F	93.8	98.7
720F	112.8	118.7
800F	112.8	118.7

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								
350	SCE0350C0-0002R7SPD	1.5	2.5	0.5	0.35	4.9	24/39	252	10.1	75	72
450	SCE0450C0-0002R7SPD	1.5	2.5	0.9	0.46	5.1	27/43	285	8.4	100	90
500	SCE0500C0-0002R7SPD	1.5	2.5	1.0	0.51	5.6	27/43	300	8.4	100	90
600	SCE0600C0-0002R7SPD	1.4	2.4	1.2	0.61	5.2	29/47	332	7.4	130	116
720	SCE0720C0-0002R7SPD	1.3	1.8	1.4	0.73	5.8	36/59	423	6.3	140	125
800	SCE0800C0-0002R7SPD	1.3	1.8	1.6	0.81	6.5	36/59	443	6.3	140	125