

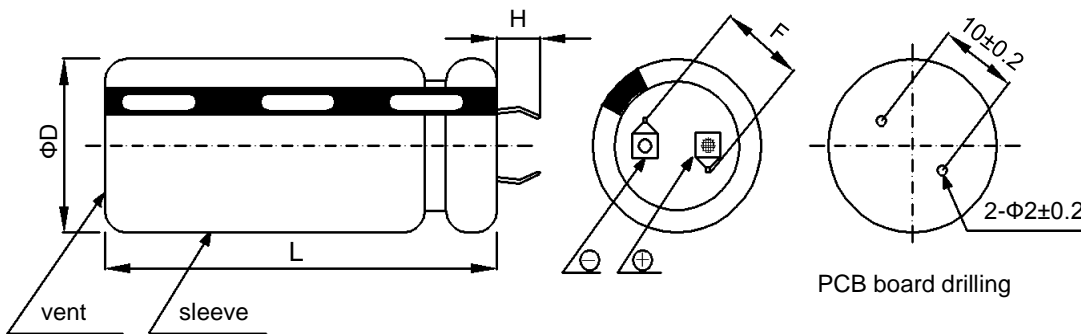
Features

- Cylindrical with snap-in terminal
- Low ESR
- Over 500,000 duty cycles

Applications

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

Dimensions



Part Number	Dimension(mm)			
	D +1Max	L±1	H±1	F±0.2
SCE0100C0-0002R7SPZ	22	45	7	10
SCE0120C0-0002R7SPZ	22	45	7	10
SCE0150C0-0002R7SPZ	25	50	7	10
SCE0180C0-0002R7SPZ	25	50	7	10

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 $\leq 200\%$ of specified value
Life (1000 hours @ 65°C, 2.7 VDC)	$\Delta C \leq 30\%$ of initial measured value ESR $\leq 200\%$ of specified value
Cycle life (500,000 cycles between V_R and $1/2 V_R$)	$\Delta C \leq 30\%$ of initial measured value ESR $\leq 200\%$ of specified value

Standard Product

CAP (F)	Part Number	ESR (mΩ)		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								
100	SCE0100C0-0002R7SPZ	11	16.5	0.30	0.10	5.1	5.9/9.7	54	26	22.0	20
120	SCE0120C0-0002R7SPZ	11	16.5	0.30	0.12	5.5	6.2/10.2	57	23	24.2	22
150	SCE0150C0-0002R7SPZ	10	15.0	0.45	0.15	5.1	7.0/11.4	65	20	33.0	30
180	SCE0180C0-0002R7SPZ	10	15.0	0.45	0.18	5.7	7.3/12.0	69	19	35.2	32