

SSE Series

Lug / Snap-in EDLC Cell 焊针式 / 焊片式 EDLC 单体

Typical applications 典型应用

- Backup power for fan pitch-control systems
- Energy storage for construction machinery
- Electric tools
- Industrial standby power
- AGV on-board power



Branding illustration / 品牌外观示意

Electrical characteristics 电气特性

Parameter / 项目	Specification / 规格
Rated voltage / 额定电压	3 V
Operating temperature / 工作温度	-40 to +65 °C (-40 to +85 °C at 2.5 V)
Surge voltage / 浪涌电压	3.15 V
Capacitance range / 容量范围	100-600 F
Capacitance tolerance at 25 °C / 容量偏差	-10% to +30%

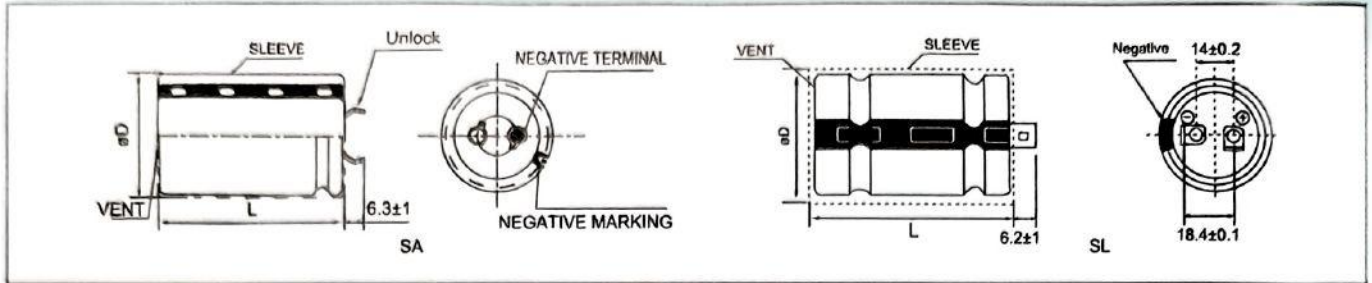
Reliability characteristics 可靠性特性

Test / 项目	Condition / 条件	Requirements / 要求
Temperature characteristics 温度特性	-40 to +65 °C -40 至 +65 °C	Capacitance change: within 30% of initial value at 25 °C ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
High-temperature load 高温负荷	Rated voltage, 65 °C, 1,000 h 额定电压, 65 °C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
High-temperature storage 高温存储	70 °C, 1,000 h 70 °C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
Cycle life 循环寿命	500,000 cycles, 25 °C V _R to ½V _R 500,000 次充放电循环, 25 °C	Capacitance change: within 30% of initial value ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍

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Dimensions 外形尺寸



Dimensions in mm. Tolerances are shown in the drawing.

Ratings and part numbers 额定值与料号

U _R (Surge Voltage) Code 额定电压 (浪涌电压) 代码	Rated Cap. 25°C 额定容量 25°C	Impedance 内阻		Leakage Current 漏电流(72hrs)	Size 尺寸 ΦD×L	Weight 重量	P/N 产品代码
		ESR _{DC} 直流内阻	ESR _{AC} 交流内阻 (1KHz)				
(V)	(F)	(mΩ)	(mΩ)	(mA)	(mm)	(g)	-
3 (3.15) 3R0	100	12	8	0.3	22 x 45	21	SCCDES3R0107QSA220045E
	120	12	8	0.3	22 x 45	21	SCCDES3R0127QSA220045E
	160	12	8	0.5	22 x 55	30	SCCDES3R0167QSA220055E
	150	11	7	0.5	25 x 50	30	SCCDES3R0157QSA250050E
	200	10	6	0.7	30 x 50	36	SCCDES3R0207QSA300050ES
	220	11	7	0.7	30 x 50	39	SCCDES3R0227QSA300050ES
	240	11	7	0.7	30 x 50	40	SCCDES3R0247QSA300050ES
	350	3.6	3.1	1.0	35 x 60	73	SCCDES3R0357QSL350060ES
	400	3.3	2.9	1.2	35 x 60	73	SCCDES3R0407QSL350060ES
	470	3.6	3.1	1.3	35 x 60	73	SCCDES3R0477QSL350060ES
	500	3.5	3	1.3	35 x 67	76	SCCDES3R0507QSL350067ES
	600	3	2.5	1.5	35 x 70	90	SCCDES3R0607QSL350070ES