

Typical application 典型应用

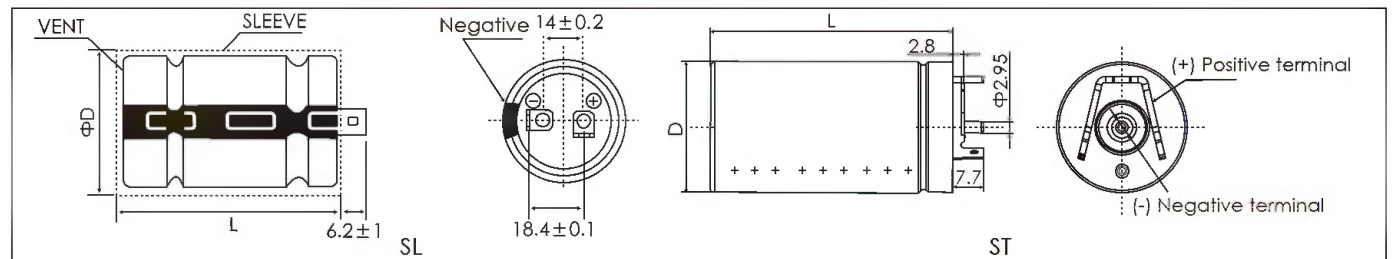
- PaSSLnger car power supply system
乘用车电源系统
- Energy storage system of construction machinery
工程机械储能系统
- Industrial standby power supply
工业备用电源
- AGV on-board power supply
AGV车载电源
- Microgrid energy storage
微网储能



Items 项目	Characteristics 特性		
Rated Voltage 额定电压	2.7 V		
Operating Temperature Rang 工作温度范围	-40~+65°C (-40~+85°C @2.3V)		
Surge Voltage 浪涌电压	2.85 V		
Capacitance Range 容量范围	250~1200 F		
Capacitance Tolerance 容差范围(25°C)	Q: -10~+30%, I: 0~+10%, R: 0~+20%, F: 0~+30%		
Temperature Characteristics 温度特性	The specifications shall be met at category temperature range from -40°C to 65°C 在-40°C至65°C温度范围内, 应满足规范	Capacitance change 容量变化	Within 30% of the rated value at 25°C 在25°C时额定值的30%以内
		ESR change 内阻变化	Not more than 2 times of the rated value 不超过额定值的2倍
High Temperature Loaded 高温负荷	The specifications shall be met after rated voltage applied at 65°C for 1500 hours 在65°C温度下, 以额定电压恒压1500h后, 应满足规范	Capacitance change 容量变化	Within 20% of the rated value 在额定值的20%以内
		ESR change 内阻变化	Not more than 2 times of the rated value 不超过额定值的2倍
High Temperature Storage 高温存储	The specifications shall be met after storage at 70°C for 1000 hours 在70°C 温度下, 不加电压储存1000h后, 应满足规范	Capacitance change 容量变化	Within 30% of the rated value 在额定值的30%以内
		ESR change 内阻变化	Not more than 2 times of the rated value 不超过额定值的2倍
Cycle Life 循环寿命	The specifications shall be met after 500,000 cycles at 25°C, cycle of charge/discharge from V_R to $1/2V_R$ 在25°C 温度下, $V_R \sim 1/2V_R$ 充放电循环 500,000次后, 应满足规范	Capacitance change 容量变化	Within 30% of the rated value 在额定值的30%以内
		ESR change 内阻变化	Not more than 2 times of the rated value 不超过额定值的2倍

Dimensions 尺寸

mm



Ratings for SSL Series SSL 系列额定值

U _B (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)	-
2.7 (2.85) 2R7	350	2.8	2.3	1.0	35×60	73	SCCDLS2R7357QSL350060ES
	400	2.7	2.2	1.2	35×60	73	SCCDLS2R7407QSL350060ES
	600	2.6	2.4	1.5	35×70	90	SCCDLS2R7607QSL350070ES
	800	2.7	2.2	1.5	40×70	120	SCCDLS2R7807QSL400070ES
	900	2.5	2.0	2.0	40×75	125	SCCDLS2R7907QSL400075ED
	1000	2.5	2.0	2.0	40×90	150	SCCDLS2R7108QSL400090ED
	1200	2.3	1.8	2.5	40×105	175	SCCDLS2R7128QSL400105ED

U _B (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)	-
2.7 (2.85) 2R7	250	1	0.85	0.6	33×62	70	SCCDLS2R7257RST330062E
	350	1.9	1.4	0.7	33×62	65	SCCDLS2R7357RST330062E
	500	2	1.5	1.2	33×77	85	SCCDLS2R7507RST330077E
	400	1.9	1.4	1.2	35×62	90	SCCDLS2R7407RST350062E
	600	2	1.5	1.5	35×88	104	SCCDLS2R7607RST350088E