

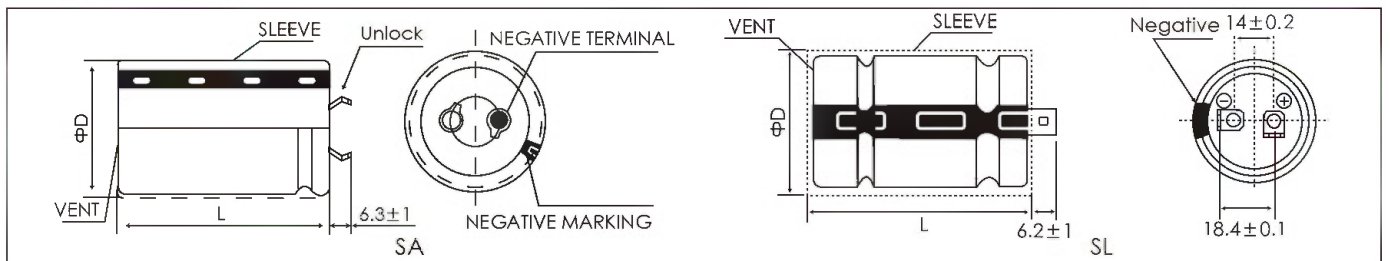
Typical application 典型应用

- Backup power supply of fan pitch control system
风机变桨控制系统的后备电源
- Energy storage system of construction machinery
工程机械储能系统
- Electric tool
电动工具
- Industrial standby power supply
工业备用电源
- AGV on-board power supply
AGV车载电源



| 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 | 100~800 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 initial value at 25°C 在25°C时初始值的30%以内 |
| | | ESR _{AC} change 交流内阻变化 | Not more than 2 times of the initial specified value 不超过初始规定值的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 30% of the initial value 在初始值的30%以内 |
| | | ESR _{AC} change 交流内阻变化 | Not more than 2 times of the initial specified value 不超过初始规定值的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 initial value 在初始值的30%以内 |
| | | ESR _{AC} change 交流内阻变化 | Not more than 2 times of the initial specified value 不超过初始规定值的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 ~ 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 initial value 在初始值的30%以内 |
| | | ESR _{AC} change 交流内阻变化 | Not more than 2 times of the initial specified value 不超过初始规定值的2倍 |

Dimensions 尺寸



Ratings for SSP Series SSP 系列额定值

| U _s (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 | 100 | 12 | 8 | 0.3 | 22×45 | 21 | SCCDPS2R7107QSA220045E |
| | 120 | 12 | 8 | 0.3 | 22×45 | 21 | SCCDPS2R7127QSA220045E |
| | 160 | 12 | 8 | 0.5 | 22×55 | 30 | SCCDPS2R7167QSA220055E |
| | 150 | 11 | 7 | 0.5 | 25×50 | 30 | SCCDPS2R7157QSA250050E |
| | 200 | 10 | 6 | 0.7 | 30×50 | 36 | SCCDPS2R7207QSA300050ES |
| | 220 | 10 | 6 | 0.7 | 30×50 | 39 | SCCDPS2R7227QSA300050ES |
| | 240 | 9 | 5 | 0.7 | 30×50 | 45 | SCCDPS2R7247QSA300050ES |
| | 350 | 3.5 | 3 | 1.0 | 35×60 | 73 | SCCDPS2R7357QSL350060ES |
| | 400 | 3.2 | 2.8 | 1.0 | 35×60 | 73 | SCCDPS2R7407QSL350060ES |
| | 470 | 3.5 | 3 | 1.3 | 35×60 | 73 | SCCDPS2R7477QSL350060ES |
| | 500 | 3.4 | 2.9 | 1.3 | 35×67 | 76 | SCCDPS2R7507QSL350067ES |
| | 600 | 3 | 2.5 | 1.5 | 35×70 | 90 | SCCDPS2R7607QSL350070ES |
| | 800 | 3 | 2.5 | 2 | 40×70 | 120 | SCCDPS2R7807QSL400070ES |