

# Technical specification

## SPC1530A

Super Pulse Battery Capacitor

- ✔ Delivering high current pulses up to 10C at extremely temperature.
- ✔ Wide operating temperature range.
- ✔ Long operating life.
- ✔ Extremely low self discharge.
- ✔ Lower DC impedance.
- ✔ Fast charge.
- ✔ High safety and reliability.

### Electrical characteristics

**1 Nominal voltage:** 3.6V (3.9V Max)

**2 Discharge**

**Nominal capacity**

250 A\*sec(86F)@3.67V, 380 A\*sec(132F)@3.9V

Discharge end voltage: 2.5V (Discharge below 2.5V at RT or discharge below 2.0V at -40°C may increase the SPC1530A internal impedance)

**Maximum discharge current**

Continuous:1.5A @RT Pulse:3.0A / 1s@ RT

**3 Charge (constant current)**

Max. charge voltage: 3.95V Max. charge current:50mA

**4 Internal impedance**

≤140 mOhm (RT @ 1kHz)

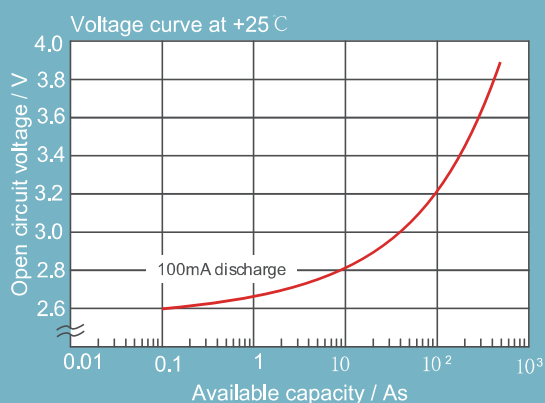
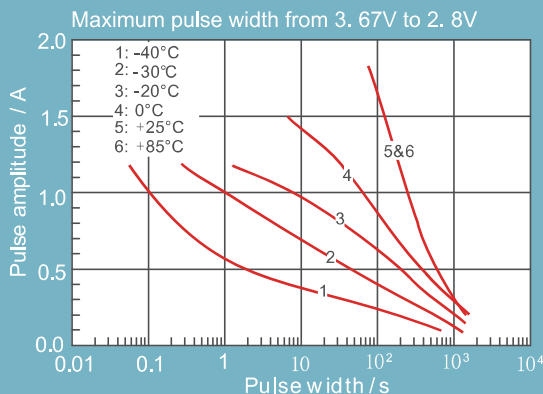
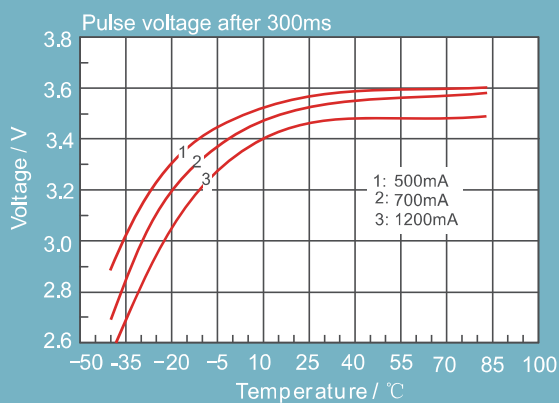
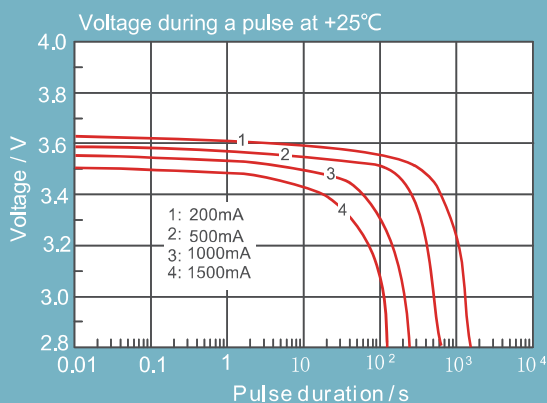
**5** Operating temperature range SPC1530A in ER+SPC battery system: -40 °C ~ +85 °C  
Storage temperature range of SPC1530A: -30 °C ~ +45 °C

### Mechanical characteristics

Length	30.0 mm.max	SPC1530A/S
Diameter	15.1 mm.max	SPC1530A/2PT
Weight	10.5 gr.max	SPC1530A/3PT

### Warning

- The SPC1530A is designed for use in a ER+SPC battery system or in low charge current as specified only.
- The SPC1530A may explode or violently vent if over-charge above 4.4V.
- Do not charge the SPC1530A higher than 4.1 V, over discharge, short circuit, heat above 100°C(212°F), incinerate or expose content to water.
- Charging the SPC1530A at above 3.95 V may lead to capacity loss and internal impedance rise.



Any values given here are for informational purposes only. They also depend on actual conditions of use and are not warranties of future performance. Subject to change.