

## SPC1550A

### 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**

190mAh@3.67V

Discharge end Voltage: 2.5V (Discharge below 2.5V at RT or discharge below 2.0V @ -40°C may increase the SPC1550A internal impedance)

#### Maximum discharge current

**3** Continuous: 2.0A@RT Pulse: 5.0A@RT

#### Charge (constant current)

Max. charge Voltage:3.95V

**4** Max. charge current:100mA

#### Internal impedance

≤100mohm (@1kHz,RT)

**5** Operating temperature range SPC1550A in ER+SPC battery system: -40°C ~ +85°C

Storage temperature range of SPC1550A: -30°C ~ +45°C

#### ⊙ Mechanical characteristics length

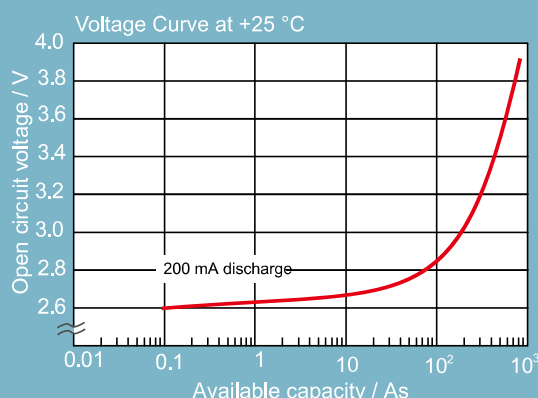
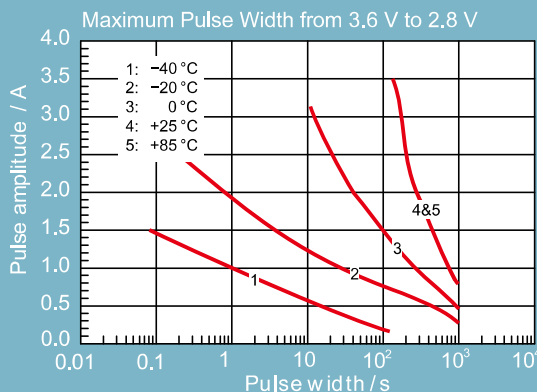
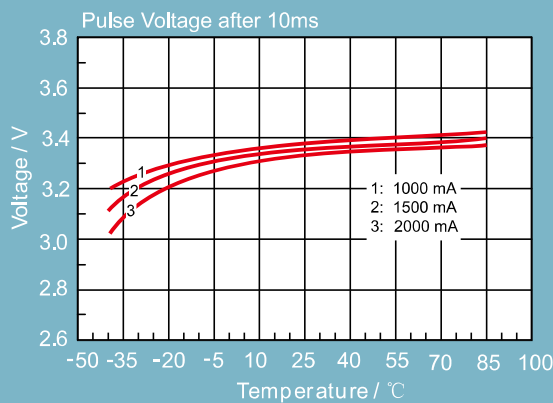
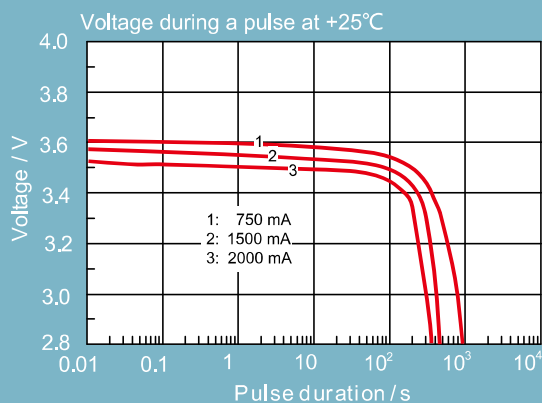
Length 50.5 mm. max SPC1550A/S

Diameter 15.1 mm. max SPC1550A/2PT

⊙ Weight 20.2 gr. max SPC1550A/3PT

#### Warning

- The SPC1550A is designed for use in a ER+SPC battery system or in low charge current as specified only.
- The SPC1550A may explode or violently vent if over-charge above 4.4V.
- Do not charge the SPC1550A higher than 4.1V, over discharge, short circuit, heat above 100°C (212°F) incinerate or expose content to water.
- Charging the SPC1550A at above 3.95V 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.