

SPC1520A

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**
45mAh@3.67V
Discharge end Voltage: 2.5V (Discharge below 2.5V at RT or discharge below 2.0V @ -40°C may increase the SPC1520A internal impedance)
- 3 Maximum discharge current**
Continuous:500mA@RT Pulse: 2.0A@RT
- 4 Charge (constant current)**
Max. charge Voltage:3.95V
Max. charge current:25mA
- 5 Internal impedance**
≤250mohm (@1kHz,RT)

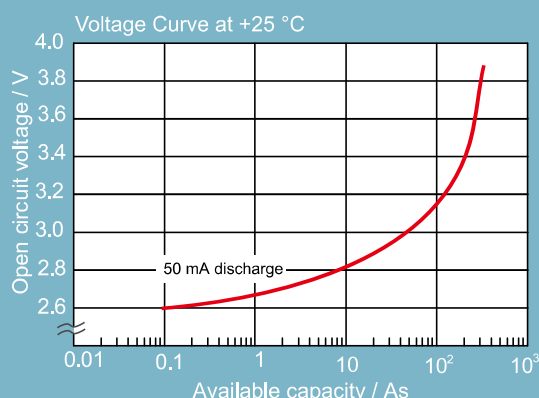
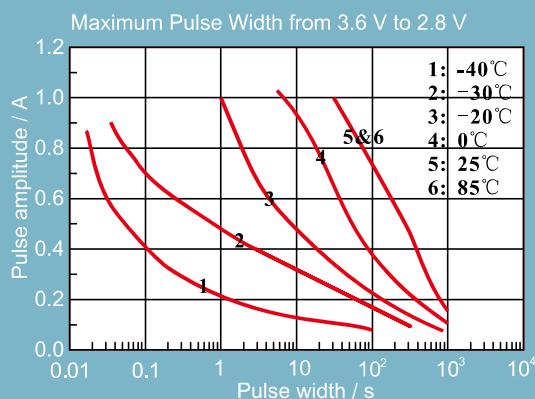
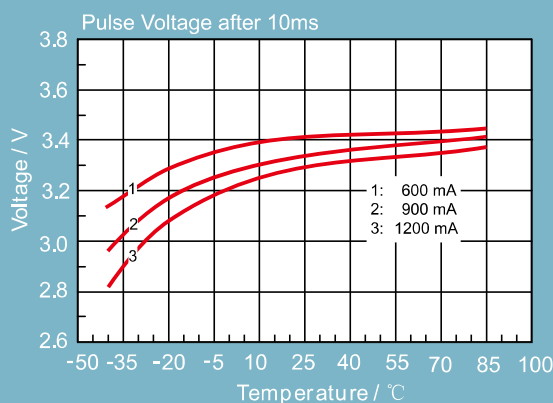
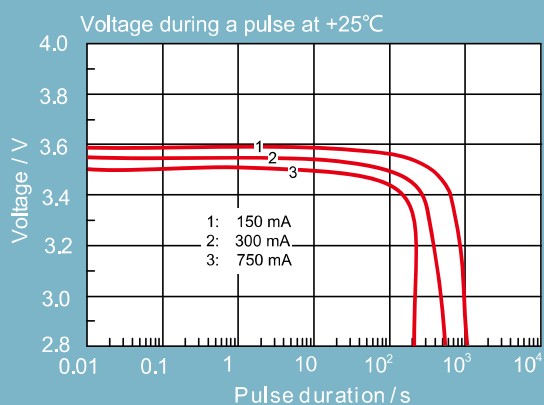
- 5** Operating temperature range SPC1520A in ER+SPC battery system: -40°C ~ +85°C
Storage temperature range of SPC1520A: -30°C ~ +45°C

⊙ Mechanical characteristics length

Length	21.0 mm. max	SPC1520A/S
Diameter	15.1 mm. max	SPC1520A/2PT
Weight	7.5 gr. max	SPC1520A/3PT

⊙ Warning

- The SPC1520A is designed for use in a ER+SPC battery system or in low charge current as specified only.
- The SPC1520A may explode or violently vent if over-charge above 4.4V.
- Do not charge the SPC1520A higher than 4.1V, over discharge , short circuit, heat above 100°C (212°F) incinerate or expose content to water.
- Charging the SPC1520A 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.