

Ultra Pulse Capacitor UPC1550



Key Features

- Hermetically Sealed
- Low Leak Current
- Long Shelf Life
- High Reliability
- Safe Design
- Wide Operating Temperature

Main Applications

- Smart Metering
- RFID Devices
- Communication Equipments
- Security System

UPC References Data

Electrical characteristics(23±2°C)

| | |
|---|----------------|
| Capacity at 3.67V | 560As |
| Cut-off Voltage | 2.5V |
| Maximum Continuous Discharge Current | 2.0A |
| Maximum Pulse Discharge Current(1s) | 5.0A |
| Pulse Discharge Voltage (-25 °C 750mA @10s) | ≥3.2V |
| Maximum Charge Voltage | 3.95V |
| Maximum Charge Current | 200mA |
| Internal Resistance(1kHz@RT) | ≤100mΩ |
| Leakage Current@RT | 3uA |
| Leakage Current@80°C | 15uA |
| Operating temperature range | -40 °C ~+85 °C |

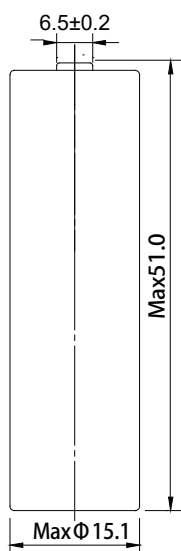
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Physical characteristics

| | |
|----------------|--------|
| Diameter(max) | 15.1mm |
| Height(max) | 51.0mm |
| Typical weight | 21.5g |

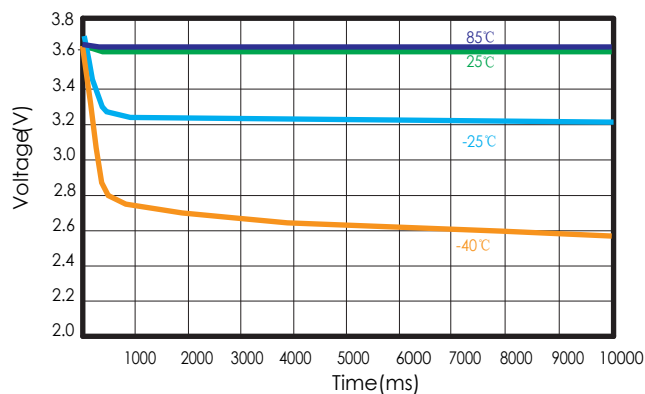


Dimensions in mm (GB1804-m)

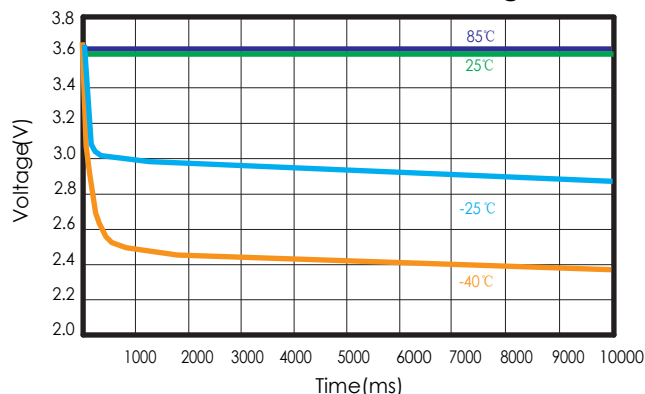
WARNING:

- Do Not Short Circuit
- Do Not Puncture
- Do Not Crush
- Do Not Dismantle
- Do Not Incinerate
- Do Not Heat Above 100°C

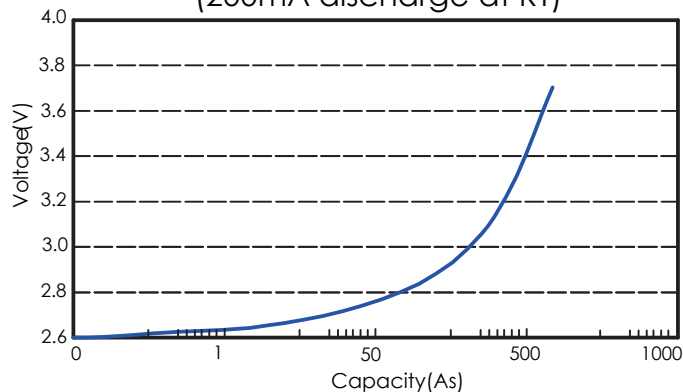
UPC1550 750mA Discharge Curve



UPC1550 1200mA Discharge Curve



UPC1550 Capacity vs.OCV (200mA discharge at RT)



HCB BATTERY CO., LTD

Add: 37 Tianyuan Street, Dongxihu District, Wuhan, Hubei, China

P.O.: 430040

Tel: +86(0)27 83248452

Fax: +86(0)27 83248455

Email: haocheng@cnhcb.com

Web: www.cnhcb.com

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