



Ultra Pulse Capacitor UPC0920



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℃)

Capacity at 3.67V	45As
Cut-off Voltage	2.5V
Maximum Continuous Discharge Current	300mA
Maximum Pulse Discharge Current(1s)	600mA
Maximum Charge Voltage	4.0V
Standard Charge Voltage	3.67V
Maximum Charge Current	30mA
Standard Charge Current	10mA

Internal Resistance(RT@1kHz)	≤400mΩ
For independent use	-40℃~+90℃

(Operation above ambient temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses. When using batteries at temperature exceeding -20℃~+40℃.Consult HCB.

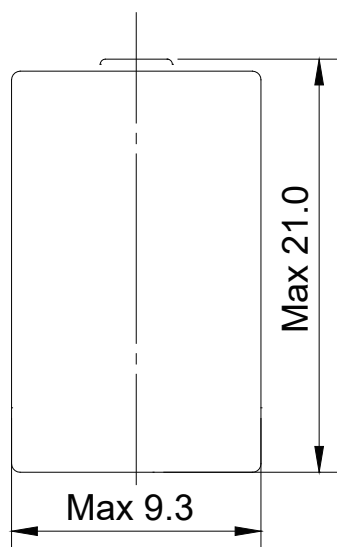
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HCB
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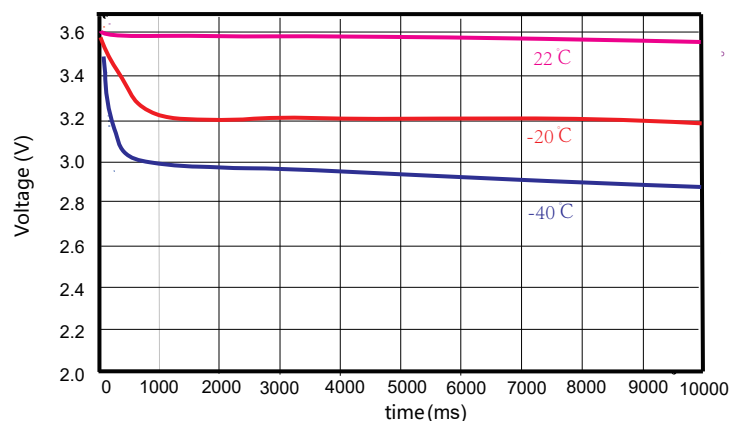
Physical characteristics

Diameter(max)	9.3mm
Height(max)	21.0mm
Typical weight	4.20g

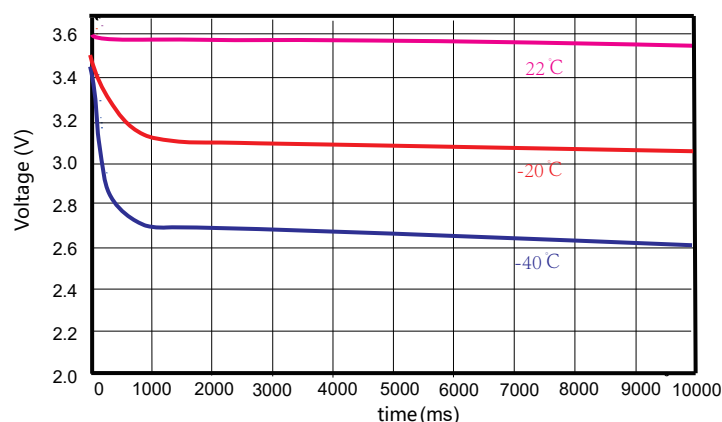


Dimensions in mm (GB1804-m)

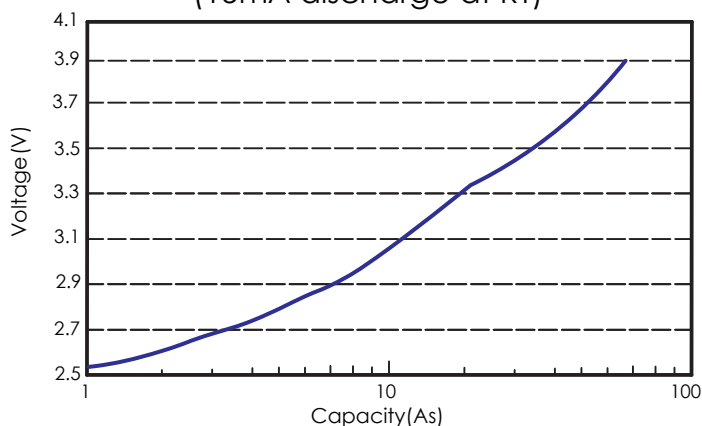
UPC0920 60mA Discharge Curve



UPC0920 100mA Discharge Curve



UPC0920 Capacity vs.OCV (15mA discharge at RT)



WARNING:

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

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact HCB for the latest information

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