



# Ultra Pulse Capacitor UPC1520



## 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

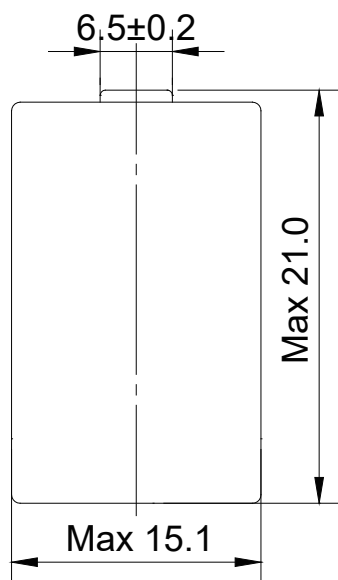
Electrical characteristics(23±2°C)	
Capacity at 3.67V	140As
at 3.90V	210As
Cut-off Voltage	2.5V
Maximum Continuous Discharge Current	0.5A
Maximum Pulse Discharge Current(1s)	2.0A
Pulse Discharge Voltage (-25°C 350mA @10s)	≥3.1V
Maximum Charge Voltage	3.95V
Maximum Charge Current	50mA
Internal Resistance(RT@1kHz)	≤150mΩ
Leakage Current@RT	1uA
Leakage Current@80°C	5uA
Operating temperature range	-40°C ~ +85°C

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## Physical characteristics

Diameter(max)	15.1mm
Height(max)	21.0mm
Typical weight	8.00g

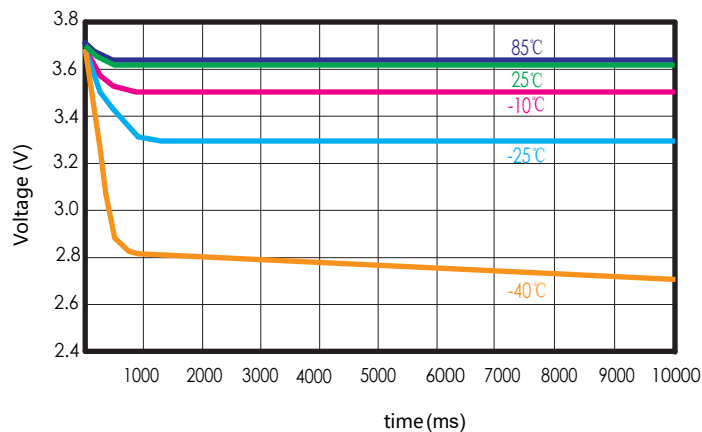


Dimensions in mm (GB1804-m)

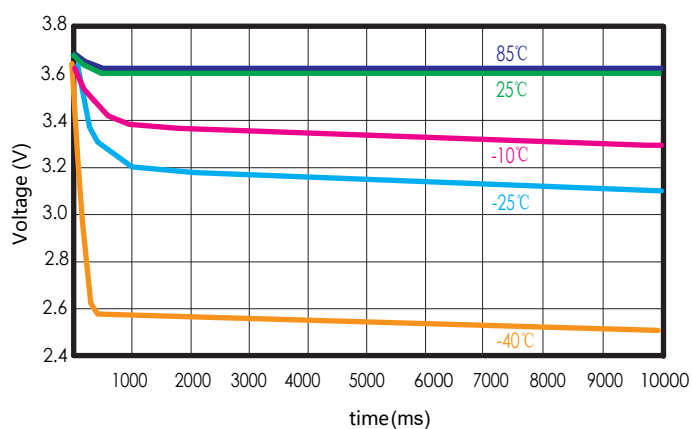
## WARNING:

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

### UPC1520 200mA Discharge Curve



### UPC1520 350mA Discharge Curve



### UPC1520 Capacity vs.OCV (50mA discharge at RT)

