

Electrical characteristics



CP502025 3.0V

Electrical characteristics

Typical values relative to cells stored for one year

⊙ Nominal capacity	450mAh
Discharged capacity at 1mA, +25°C, 1.8V cut off.	
⊙ Nominal voltage	3.0V
⊙ Max. recommended continuous current	120mA
Discharged to 1.8V at 25°C permitting 50% of the Nominal capacity to be achieved	
⊙ Max. Pulse current	250mA
15 seconds at 25°C drained with 50% of the nominal capacity, yield voltage reading above 1.8V. The value may vary with the pulse characteristics, the temperature and the cell's previous history	
⊙ Storage	Max 30°C
⊙ Operating temperature range	-40~+60°C
⊙ Weight	≈4g

Warning

Don't charge crush, disassemble, expose contents to water, heat above 80°C, or may lead to explosion, burn or goods leakage. Discarded battery should be buried deeply to the ground.

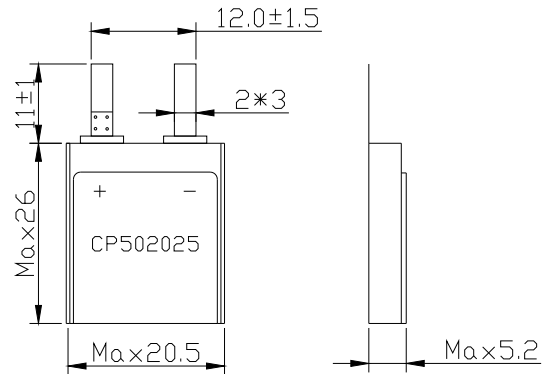
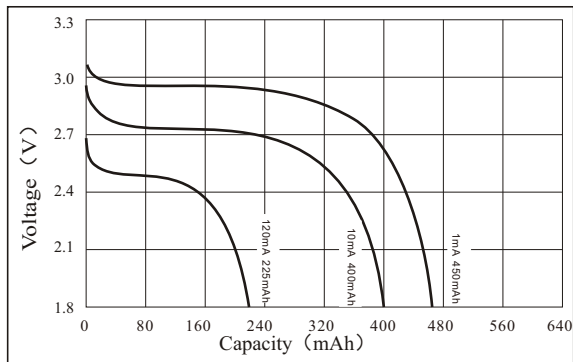
Key features

- High and stable operating voltage
- Long shelf life Annual self-discharge rate lower than 2% at +20°C
- Hermetic Sealing
- Compliant with IEC 86-4 safety standard
- Non-restricted for transport

Main applications

- active tags
- Alarms or security equipment
- Smoke detector
- Memory backup
- Real time clock
- Professional electronic equipment
- Medical equipment
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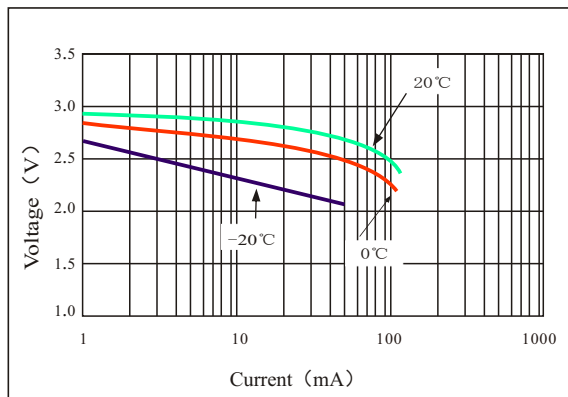
Discharge characteristics at 25°C



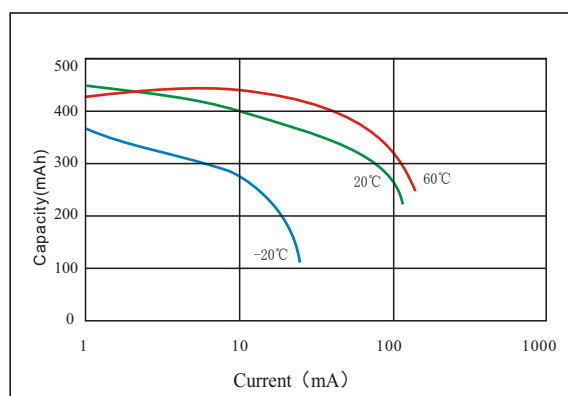
Dimensions in mm

Special terminal can be made according to customer's requirement

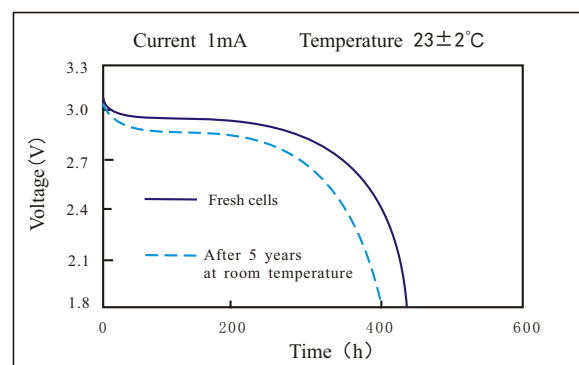
Voltage VS Current & Temperature Curve



Capacity VS Current & Temperature Curve



Storage characteristics



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