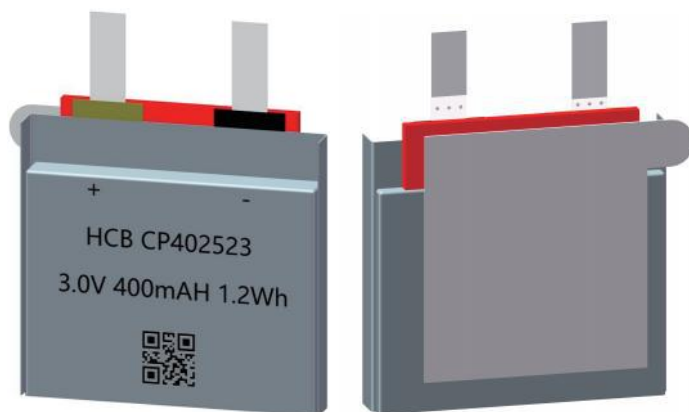


Primary Lithium Battery

CP402523

3.0V [Li-MnO₂]



BENEFITS

- High Voltage Response, Stable During Most of the Lifetime of the Application
- Energy Density up to 830Wh/L
- Wide Operating Temperature Range (-40°C ~+70°C)
- Low Self-discharge Rate (less than 1% per year after 1 year of storage at +25°C)

KEY FEATURES

- Optimized Battery Structure, Full Discharge Capacity
- Long Endurance
- No Passivation
- GB 8897.4-2008、IEC 60086.4:2014 and RoHS

MAIN APPLICATIONS

- Security System
- Smart Metering
- RFID and Tracking System
- Wireless Transmitting
- Smart Home Devices
- Military Devices

References Data

Electrical characteristics

Open circuit voltage (at +25°C) 3.10V

Load voltage (at +25°C) 2.85V
(At +25°C, Test the end of 3s voltage with 30 load.)

Nominal capacity 400mAh
(At +25°C, battery discharged at continuous current 1mA until voltage reaches cut-o voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-o voltage.)

Maximum continuous current 200mA
(At +25°C, 2.0V cut-o, battery discharged for minimum 50% of rated capacity.)

Maximum pulse discharge current 300mA
(At +25°C, 2.0V cut-o, battery discharged for minimum 50% of rated capacity with max pulse for 3 seconds after 27 seconds break. For more battery capacity, please consult HCB.)

Storage (recommended) +30°C
(For more severe conditions, consult HCB) 75%RH

Operating temperature range -40°C~+70°C
(Operation above ambient Temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses, consult HCB.)

Primary Lithium Battery CP402523

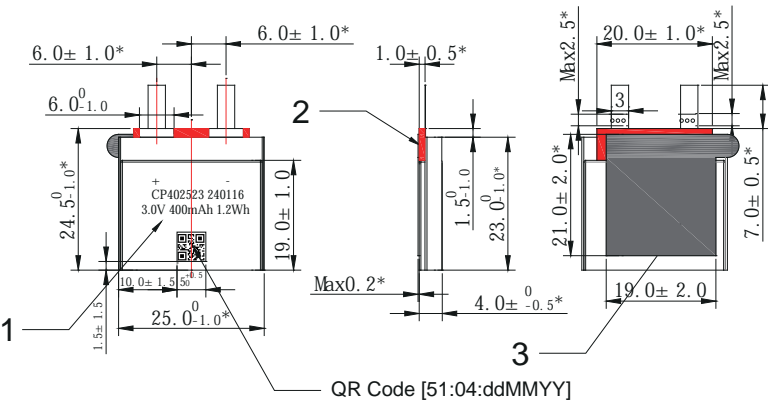
3.0V [Li-MnO₂]



HCB
昊诚锂电

Physical characteristics

Typical weight	3.5g
Li metal content	0.16g



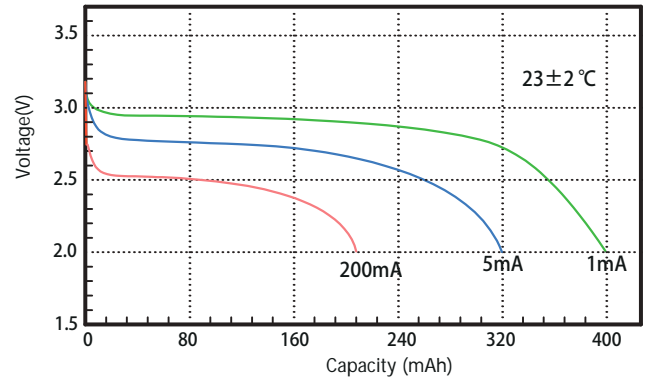
3	Double side adhesive 3M 9075:19*21*0.2	1
2	Red Steel paper:20.0*5.4*1.0	1
1	Cell:CP402523	1
No.	Description	QTY.

Dimensions in mm (GB1804-m)

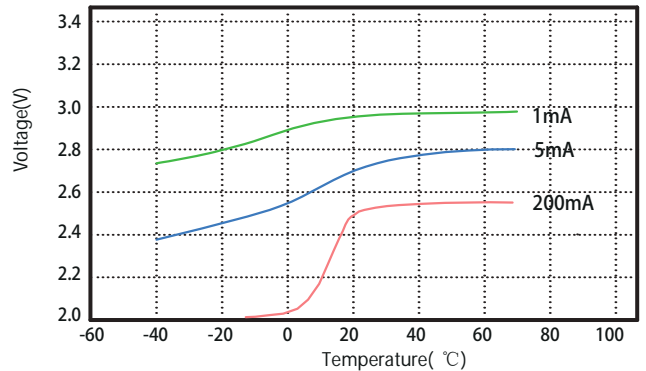
WARNING:

- Do Not Short Circuit
- Do Not Recharge
- Do Not Puncture
- Do Not Crush
- Do Not Dismantle
- Do Not Incinerate
- Do Not Mix New and Used Batteries
- Do Not Heat Above 100°C

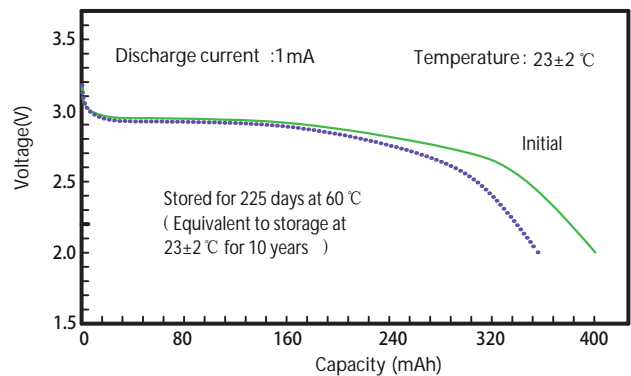
1. Typical discharge profiles at 23±2°C (at mid-discharge)



2. Typical discharge profiles with different current (at discharge stable phase)



3. Storage characteristics



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