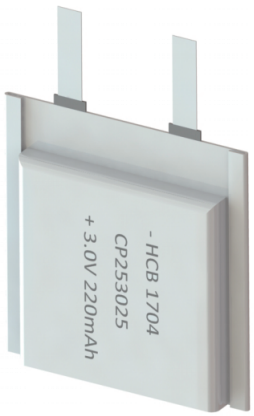
We Power Your Technology

Primary Lithium Battery
CP253025

3.0V [Li-MnO_2]



BENEFITS

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

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 23±2°C)	≥3.10V
Nominal capacity (At +25°C, battery discharged at continuous current 1mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.)	220mAh
Maximum continuous current (At +25°C, 2.0V cut-off, battery discharged for minimum 50% of rated capacity.)	30mA
Maximum pulse discharge current (At +25°C, 2.0V cut-off, 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.)	50mA
Storage (recommended) (For more severe conditions, consult HCB)	≤+30°C ≤75%RH
Operating temperature range (Operation above ambient temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult HCB.)	-40°C~+70°C

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
No.: HCB-MKT.PM-S[V2.0 2024 01]

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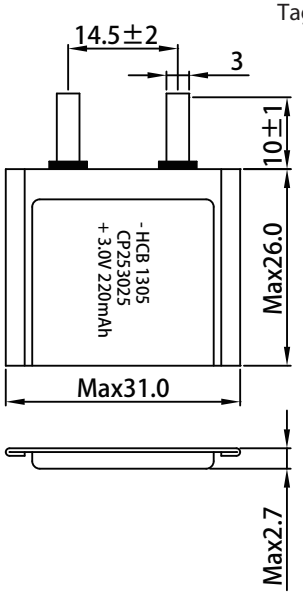
Physical characteristics	
Width	Max 31.0mm
Height	Max 26.0mm
Thickness	Max 2.7mm
Typical weight	2.5g
Li metal content	0.08g

MSDS as per request

Diode (1N4007, 1N5819)

PTC (SRS175...)

Tag, wire, connector, etc. available



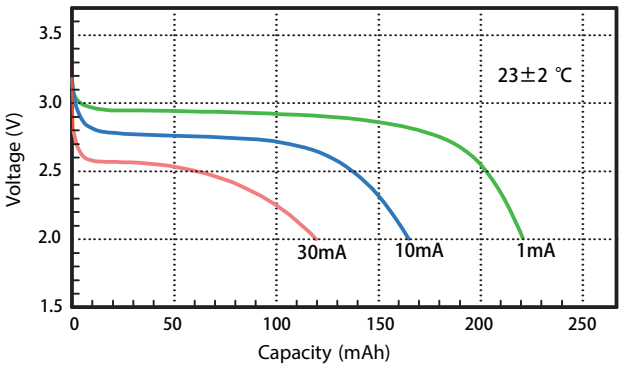
Dimensions in mm（GB1804-m）

WARNING:

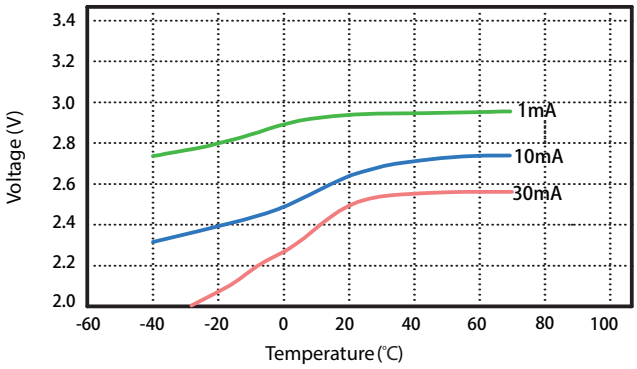
- Do Not Short Circuit
- Do Not Recharge
- Do Not Puncture
- Do Not Crush
- Do Not Dismantle
- Do Not Incinerate
- Do Not Mix New and Used Batteries
- Do Not Heat Above 100°C

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/specif -ications are subject to modification withour notice.
Contact HCB for the latest information

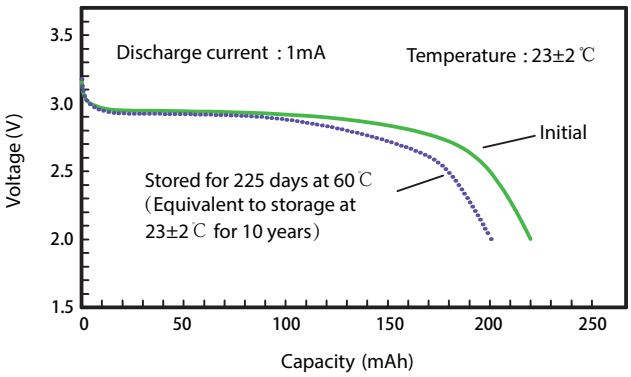
1.Typical discharge profiles at 23±2°C
(at mid-discharge)



2.Voltage plateau versus Current and Temperature
(at discharge stable phase)



3.Storage characteristics



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Web：www.cnhcb.com

No.: HCB-MKT.PM-S[V1.0 2024 01]