



LITHIUM MANGANESE DIOXIDE BUTTON BATTERY

TECHNICAL SPECIFICATION

MODEL: CR2025

Typed	
Approved	
Date	2023

1. Scope

This specification applies to lithium manganese dioxide button battery

Model: CR2025

Reference Document: IEC60086-1-2015, IEC60086-2-2015
GB/8897-1-2013, GB/8897-2-2013

2. Nominal Voltage 3.0V

3. Nominal Capacity 150mAh

Condition: Continuous discharge at $20\pm 2^{\circ}\text{C}$ under load $15\text{k}\Omega$ for 24 hrs/day to EPV 2.0V

4. Off-load Voltage $\geq 3.2\text{V}$

Acceptance Standard: MIL-STD-105E, Class II, Double Sampling, AQL=0.4

5. Temperature Range $-30\sim 70^{\circ}\text{C}$

6. Average Weight 2.3g

7. Chemical System Li/MnO_2

8. Discharge Performance

	Minium Average Duration (h)	Conditions
New battery Tested within 30days after delivery	650	Continuous discharge at $20\pm 2^{\circ}\text{C}$, $55\pm 20\text{RH}\%$ under load $15\text{k}\Omega$ for 24 hrs/day to EPV 2.0V
After 12 mth.at $20\pm 2^{\circ}\text{C}$	600	
After 3 mth.at $45\pm 2^{\circ}\text{C}$	600	

Acceptance Standard

- (1) Test nine batteries
- (2) Calculate the average without the exclusion of any result
- (3) If this average is equal to or greater than the specified figure and no more than one battery has a service output of less than 80% of the specified figure, the battery are considered to conform to service output.
- (4) One re-test is allowed to confirm the previous result.

9. Leakage

Item	Requirements	Test Condition
Leakage	No Leakage	45±2℃,55±20RH%, 30days

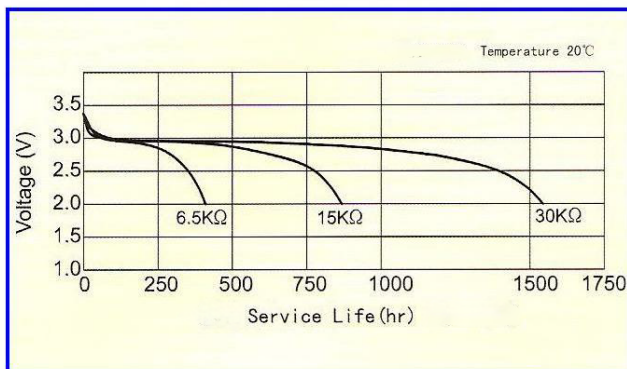
10. Self-discharge: $\leq 1\%/year$ (Condition: 20±2℃,55±20RH%,12mth)

11. Period of Warranty: 1 year (Condition: 20±2℃,55±20RH%)

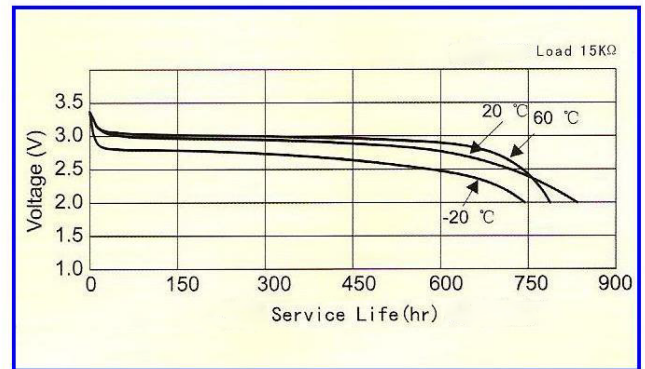
12. DischargeCharacteristics

STANDARD CHARACTERISTICS

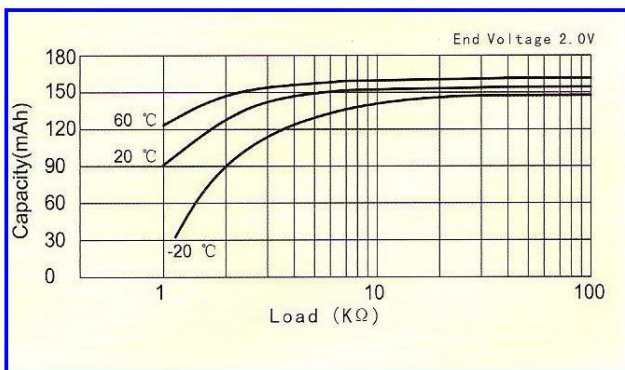
Discharge Characteristics



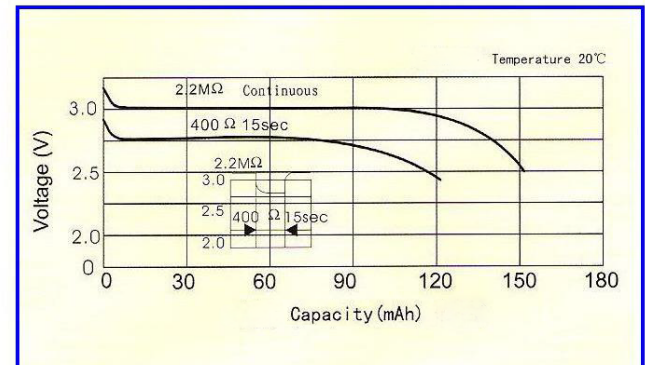
Temperature Characteristics



Load-capacity



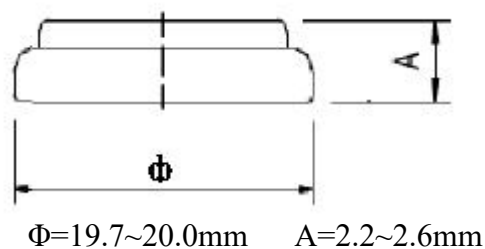
Pulse Discharge Characteristics



13. Compliance & Environmental Information

This product complies with EU Battery Directive 2006/66/EC, RoHS Directive.

14. Battery Dimensions



15. Caution for Use

- (1) The battery shall be installed with its “+” and “-” polarity in correct position, otherwise may cause short circuit.
- (2) Short-circuiting, heating, disposing of into fire and disassembling the battery are prohibited
- (3) New and used batteries cannot be used at the same time.
- (4) Keep away from the small children, if swallowed promptly see doctor.
- (5) Do not recharge the batteries.

16. Marking on battery

- | | |
|----------------------------|--------|
| (1) Model | CR2025 |
| (2) Voltage | 3V |
| (3) Polarity Marking | “+” |
| (4) Brand of manufacturer: | |
| (5) Others | |

17. Packing Specifications

Packaging Name		Materials	Dimensions	Quantity
Tray		Plastic	134*165*7.5(mm)	5*5=25
Inner package		PVC Film	135*165*50(mm)	10*25=250
Carton Box		A=B	34.5*27.5*20(CM)	250*20=5000

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