

SPECIFICATIONS OF SINGLE CELL

Type Li-MnO₂ Button with 3 Pins

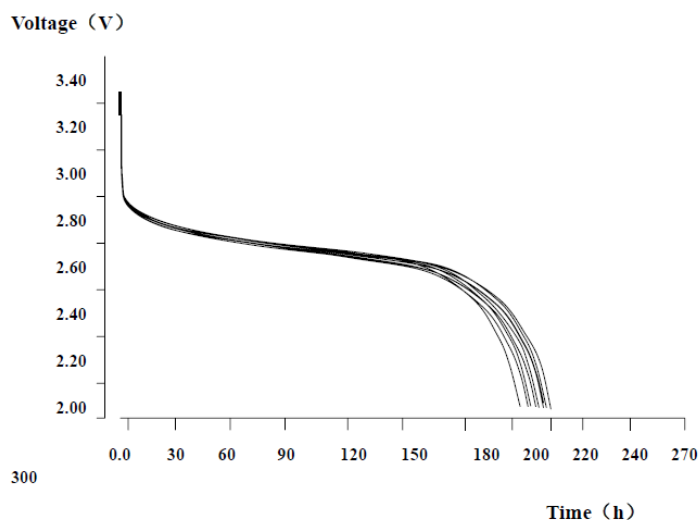
Stock Code 900.600.503.100

Model CR2032

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	3.0V	
Typical Capacity	210 mAh	Standard discharge with load 15k Ω
Instantaneous short-circuit current	≥ 300 mA	Time ≤ 0.5 second
Off-load voltage	3.25 – 3.60 V	No load
Service Output - Initial	200 h	Continuous discharge with load 3k Ω , till 2.0v end-voltage, temperature 20-25°C
Service Output - After 12 months storage	196 h	
Typical Weight	2.75 gr	
Recommended Storage Temperature Range	0°C to 40°C	5 years after delivery under proper storage conditions.
Recommended Operation Temperature Range	-20° C to 60°C	
Shelf Life	3-5 Years	Recommended Storage Range : 20+/-2°C Recommended Humidity Range : 65+/-20%RH

Discharge Characteristics



TECHNICAL INFORMATION

Item	Test Methods	STANDARD	
Dimension	Using vernier caliper (accuracy \geq 0.02) while avoiding short-circuit	Diameter	20.0 (-0.15) mm
		Height	3.20 (-0.20) mm
Off-load voltage	Using multimeter (accuracy \geq 0.25%) internal resistance \geq 1M Ω	\geq 3.20V	
Instantaneous Short-circuit current	Time of short-circuit should be less than 0.5 second and avoid repeated test within half an hour	\geq 300mA	
Appearance	Eyeballing	Bright, clean, no rust, no leakage, And no flaw	
Capacity	Continuously discharge for 8 hours with load 3k Ω , temperature at 20-25°C, humidity at 65 \pm 20% till 2.0v end-voltage (for fresh battery only; within 3 months)	\geq 200h	
Vibration test	Put battery on the platform of the vibrations machine, start the machine and adjust the frequency form 10 times per minute to 15 times per minute. keep it running for an hour	Characteristics keep stability	
Leakage at high temperature test	Stored under temperature (45°C) for 30 days	Leakage rate \leq 0.5%	
Over discharge Test	After 2.0v end-voltage, continuously discharged for 5 hours	No leakage allowed	

