

Datasheet: 866-0672

RS Pro CR2032 3 V Lithium Manganese Coin Battery, 225 mAh



This RS Pro CR2032 pro battery is a lithium coin battery that can be used to power electronic devices. It is non-rechargeable.

This coin battery is suitable for intermittent high load applications and has an excellent shelf life.

Applications:

Lithium coin batteries are used in electronic devices that only require a small, compact source of power. Example applications include:

- Watches
- Memory support
- Cameras
- Scales
- Remote controls

Guidance:

- Always install the batteries correctly as per instruction
- Ensure that the contact points are clean and conductive
- Do not mix different types of battery
- Do not heat or attempt to recharge the battery
- Do not dispose of in a fire



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Performance and Test Methods:

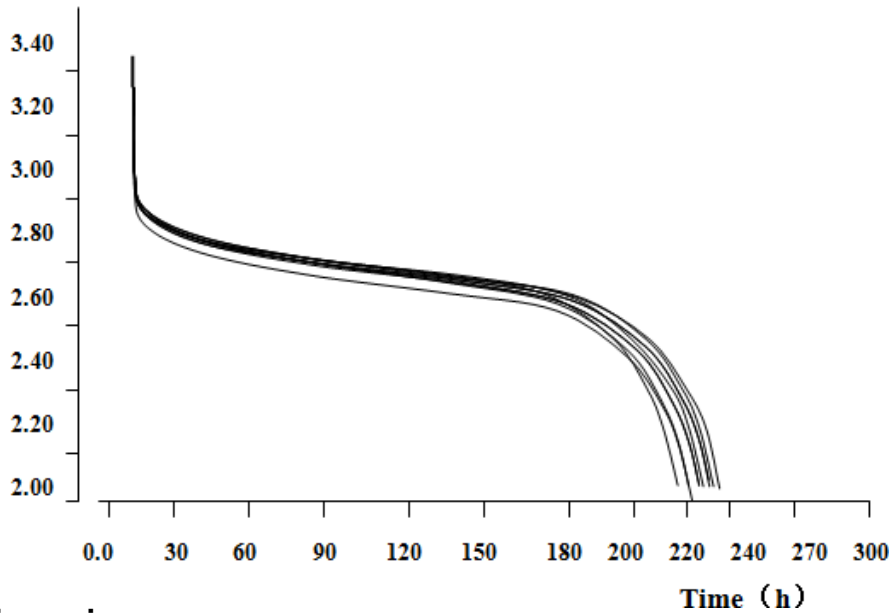
Item	Test Method	Result
Dimensions	Using vernier caliper (accuracy ≥ 0.02) while avoiding short-circuit	Dia. 20mm (- 0.15)
		Height 3.20 mm (- 0.20)
Off-load voltage	Using multimeter (accuracy $\geq 0.25\%$) internal resistance $\geq 1M\Omega$	$\geq 3.20V$
Instantaneous short circuit current	Time of short-circuit should be less than 0.5 seconds. Avoid repeated test within half an hour	$\geq 300mA$
Appearance	Eyeballing	Bright and clean. No rust, no leakage and no flaws.
Capacity	Continuously discharge for 8 hours with $3k\Omega$ load. Temperature at $+20-25^{\circ}C$, humidity at $65, \pm 20\%$ till 2.0 V end-voltage. For fresh battery only - within 3 months.	$\geq 200h$
Vibration test	Put battery on the platform of the vibration machine. Start the machine and adjust the frequency from 10 times per minute to 15 times per minute. Keep it running for an hour.	Characteristics kept stability
Leakage at high temperature	Stored under temperature ($+45^{\circ}C$) for 30 days	Leakage rate $\leq 0.5\%$
Over-discharge test	After 2.0 v end-voltage, continuously discharged for 5 hours	No leakage allowed



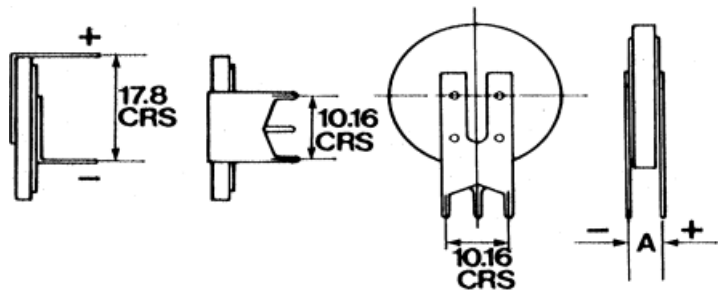
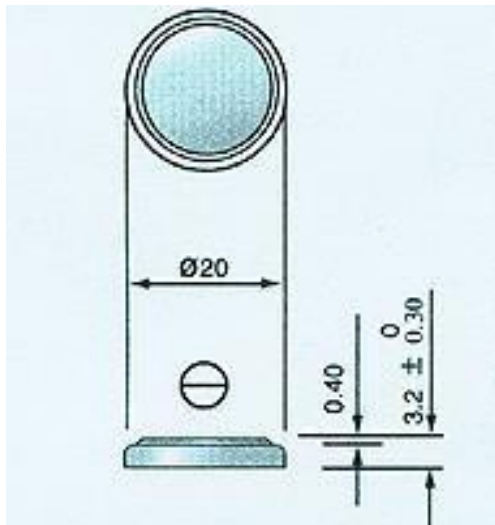
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Discharge characteristics (with 3 kΩ load):

Voltage (V)



Dimensions:



WARNING!

Coin batteries must be kept out of reach of children. Consult a doctor immediately if swallowed.