

ENGLISH

Datasheet Lithium Manganese Dioxide Coin Button Battery

RS Stock number 866-0653



Description:

Non-rechargeable lithium coin cells CR type suitable for intermittent high load applications Long shelf life Applications: memory support, watches, calculators and cameras

Specifications:

Capacity:	36 mAh	
Chemistry:	Lithium Manganese Dioxide	
Diameter:	12.5 mm	
Height:	2 mm	
Iominal Voltage: 3 V		
Operating Temperature Range:	-30 – 60 °C	
Size:	CR1220	
Terminal Type:	Standard	

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



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Suggestions and Cautions:

Install batteries correctly Ensure the contact points to be clean and conductive Do not mix different types, different brands batteries to serve together Do not heat, recharge the batteries Do not dispose of the batteries in fire Keep away from small children and consult a doctor immediately if swallowed Pay attention to the producing date

Performance and Test Methods:

NO	ITEM	TEST METHODS	STANDARED
1 Di	Dimensions	Using vernier caliper(accuracy ≥ 0.02) while avoiding short-circuit	0.15)mm
			Height 2.00(- 0.20)mm
2	Off-load voltage	Using multimeter(accuracy \ge 0.25%)internal resistance \ge 1M Ω	≥3.20V
3	Instantaneous Short-circuit current	Time of short-circuit should be less than 0.5 Second and avoid repeated test within half An hour	≥100mA
4	Appearance	Eyeballing	Bright ,clean, no rust, no leakage, And no flaw
5	Capacity	Continuously discharge for 8 hour with load 4.7k Ω ,temperature at 20-25°C,humidity at 65 \pm 20% till 2.0v end-voltage(for fresh battery only: within 3 months)	≥60h
6	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
7	Leakage at high temperature	Stored under temperature(45°C)for 30 days	Leakage rate≤0.5%
8	Over Discharge Test	After 2.0v end-voltage, continuously discharged for 5 hours	No leakage allowed

Unless stated, all tests were carried out at a temperature of 20 - 25°C and humidity of 65±20%.

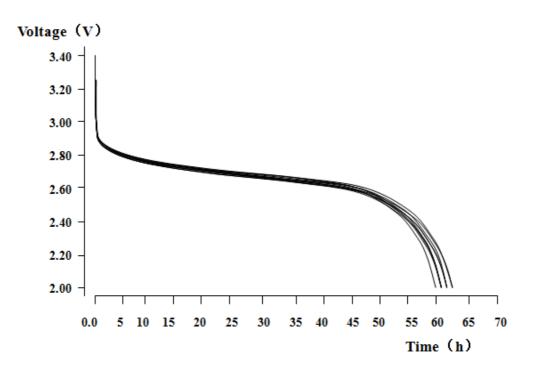
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Discharge Characteristics:

With load 4.7 kΩ (CR1220)



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