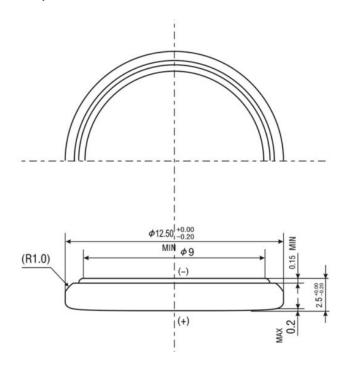
### **Leading Battery Solution & Manufacture**



Model Number: CR1225-50mAh Chemical System: Li / MnO2

# 1. Dimensions (Unit:mm)



# 2. Nominal specification and Characteristics

Item		Technical parameters	Conditions
Nominal voltage		3.0 V	Apply to all CR batteries
Nominal capacity		50mAh	Continuous discharge with load 30KΩ, till 2.0V end-voltage at 20±2°C.
Instantaneous short–circuit current		≥100mA	Time ≤0.5s
Open-circuit voltage		3.20-3.45V	No load test
Storage temperature		0-30°C	Apply to all CR batteries
Operate temperature		-20-60°C	Apply to all CR batteries
Weight		0.9g (approx)	
Self-discharge rate		≤3% / year	Annual mean
Fast test life	New cell	≥113hrs	Load 6.8KΩ, till 2.0V end-voltage at 20±2°C,
	12 M.	≥109.6hrs	relative humidity ≤75%.

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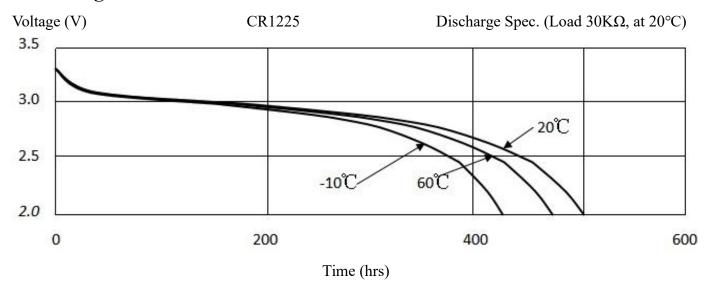
### **Leading Battery Solution & Manufacture**



### 3. Performance test

Item	Test method	Standard
Dimension	With vernier caliper (tolerance ≤0.02mm) test, paste on the surface of the caliper contact insulation materials, don't short circuit.	Diameter(mm): 12.50 (-0.2) height(mm): 2.50 (-0.2)
Open-circuit	With multimeter or voltmeter.	3.20-3.45V
Short-circuit current	With multimeter or amperemeter, test time not more than 0.5 second, must avoid repeating test, test interval shall be more than 0.5 hours.	≥100mA
Appearance	Visual inspection.	Clean, clear and correct mark, no rusting, no leakage
Fast test capacity	At 20±2°C, humidity $\leq$ 75%, with load 6.8K $\Omega$ , till 2.0V end-voltage.	≥113hrs
Vibration test	Vibration 1 hour on a vibration machine, with frequency is 100 to 150 times/min.	Stable performance
High temperature test	Store 30 days at 45±2°C.	Leakage rate ≤1‱
Over-discharge test	When terminated voltage is 2.0V, continuously discharge load for 5 hours.	No leakage

# 4. Discharge characteristic



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