



DATA SHEET
RS STOCK NO. 525-811

1.SYSTEM **Rechargeable Ni-MH Button Cells**

2.DATA SHEEL

Nominal Capacity	160mAh	
Nominal Voltage	4.8V	
Normal Charging	16mA	for 16h
Trickle Charging	4.8-8mA	continuous
Normal Discharging	32mA	
Discharge cut-off Voltage	4.0V	
Operating Temperature	-20~35°C	

3. TEST CONDITIONS

Test item	Condition	Specification
Condition for standard operation	The test is carried out with new batteries (within a month after delivery). ambient conditions: Temperature: 20±5°C Humidity: 65±20% Tolerances ±5% for voltage and current	
(1)Normal Charge	charging at a constant current of 0.1C(16mA) for 16h. Prior to charging, the cell shall have been discharged at a constant current of 0.2C(32mA), down to a final voltage of 1.0V/cell.	
(2)Open Circuit Voltage (OCV)	After 1 hour normal charge	≥5.00V
(3)Capacity	The cell shall be charged. After charging, the cell shall be stored for 1h, then the cell shall have been discharged at a constant current of 0.2C(32mA), down to a final voltage of 1.0V/cell. five cycles are permitted for this test.	≥300minutes



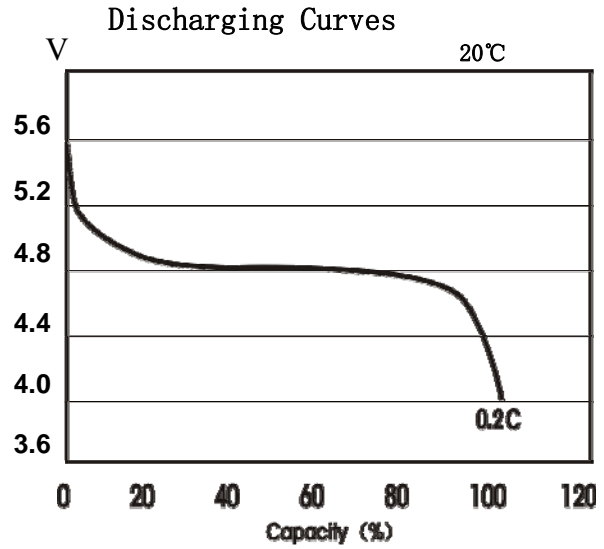
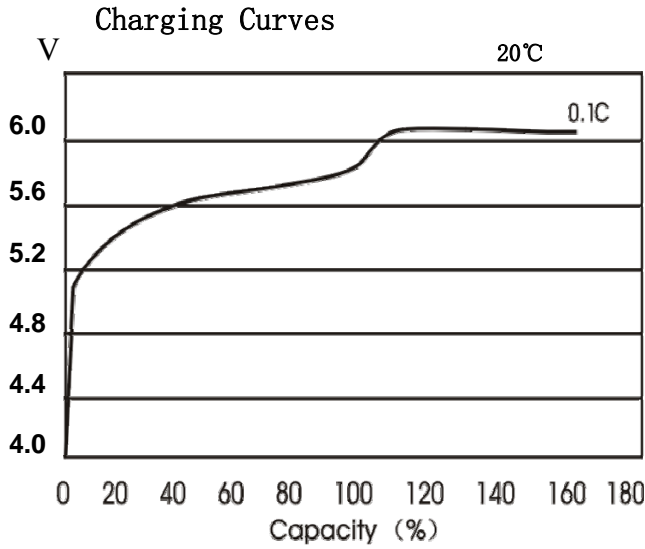
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(4)Overcharge	Prior to this test,the cell shall be discharged .The cell shall then be charged at a constant current of 0.1C(16mA)for 48h. After this charging operation,the cell shall be stored 1h,The cell shall then be discharged at a constant current of 0.2C(32mA)to a final voltage of 1.0V/cell.				≥300minutes
(5)Charge retention	The charged cell is stored for 28 days .And the discharge time is measured at normal discharge.				≥225minute
(6)Life expectancy (IEC cycle)	Cycle number	Charge	Rest	Discharge	Total number of cycles ≥500
	1	16mA x 960min	None	40mA x 140 min	
	2-48	40mA x 190 min	None	40mA x 140 min	
	49	40mA x 190 min	None	40mA to 1.0V/cell	
	50	16mA x 960min	1-4h	32mA to 1.0V/cell	
	Cycles 1 to 50 shall be repeated until the discharge duration on any 50th cycle becomes less than 3h. At this stage, a repeat capacity measurement as specified for cycle 50 shall be carried out.The endurance test is considered complete when two such successive capacity cycles give a discharge duration of less than 3h. [IEC61951-2:(2003)7.4.1.1]				

4.PRECAUTION

- 4.1 Never short-circuit or reverse polarity in application.
- 4.2 Avoid throwing cells into a fire or attempting to disassemble them.
- 4.3 This is not safety: use the cell without the specified working temperature range, charge and discharge with more than our specified current.
- 4.4 Do not mix batteries with metal objects during storage or transportation to avoid accidental short-circuit.

DRAW



<p>V39372. 23. 0</p>										DRG. NO.
										235151.4A4
										Tag of Anode
										JN802.905
										Tag of Cathode
										JN802.905

Label	H	L	W	d	S	Q	L1	Weight
Dimensions (mm)	24	25	15.5	5	0.8	4.2	10	24g
Tolerances	Max.	Max.	Max.					Approx.