



DATA SHEET

RS STOCK NO.525-837

1.SYSTEM Rechargeable Ni-MH Button Cells

2.DATA SHEEL

Nominal Capacity	80mAh	
Nominal Voltage	2.4V	
Normal Charging	8mA	for 16h
Trickle Charging	2.4-4mA	continuous
Normal Discharging	16mA	
Discharge cut-off Voltage	2.0V	
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(8mA) for 16h. Prior to charging, the cell shall have been discharged at a constant current of 0.2C(16mA), down to a final voltage of 1.0V/cell.	
(2)Open Circuit Voltage (OCV)	After 1 hour normal charge	≥2.50V
(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(16mA), down to a final voltage of 1.0V/cell. five cycles are permitted for this test.	≥300minutes

DATA SHEET

E2

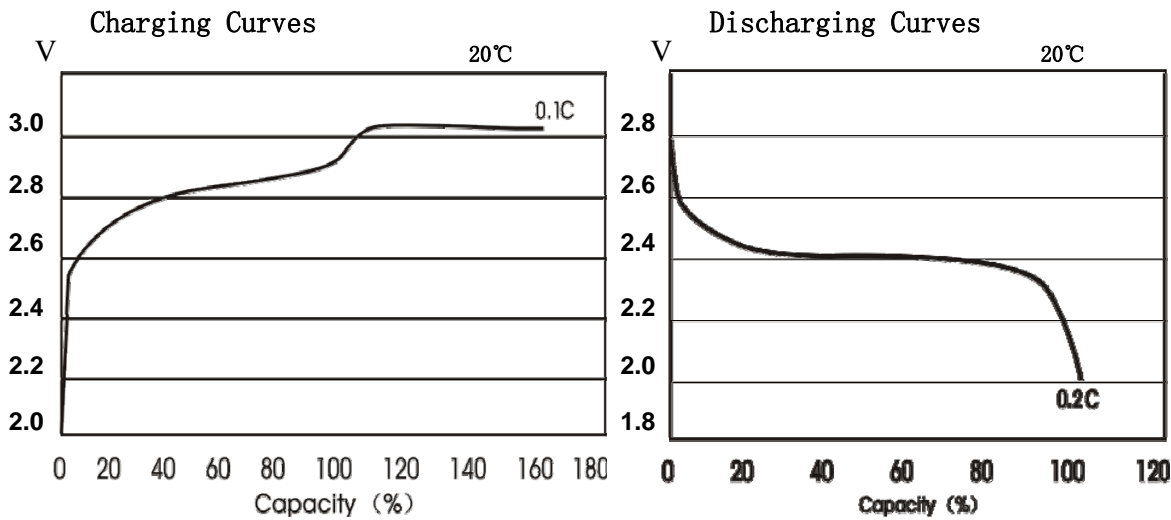
(4)Overcharge	Prior to this test,the cell shall be discharged .The cell shall then be charged at a constant current of 0.1C(8mA)for 48h. After this charging operation,the cell shall be stored 1h,The cell shall then be discharged at a constant current of 0.2C(16mA)to a final voltage of 1.0V/cell.				≥300minutes
(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	8mA x 960min	None	20mA x 140 min	
	2-48	20mA x 190 min	None	20mA x 140 min	
	49	20mA x 190 min	None	20mA to 1.0V/cell	
	50	8mA x 960min	1-4h	16mA 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

E1



<p>V39372. 22. 17</p>										DRG. NO.
										154061.2A1
										Tag of Anode
										JN802.101
										Tag of Cathode
										JN802.501
Label	H	Ø		d	S	Q	W		Weight	
Dimensions (mm)	13	15.5		5	1	4.5	10		7g	
Tolerances	Max.	Max.							Approx.	