

# ***SPECIFICATION***

**To:** \_\_\_\_\_

**Model:**                     **JN160H**                    

**Files Code:**                     160H235151.1A0                    

**SN:**                                     39374958                                    



Please consult us regarding charge and discharge conditions for use and product design prior to the release of a battery-operated product.



## 1.SYSTEM Rechargeable Ni-MH Button Cells

### 2.DATA SHEEL

Nominal Capacity	160mAh	
Nominal Voltage	1.2V	
Normal Charging	16mA	for 16h
Trickle Charging	4.8-8mA	continuous
Normal Discharging	32mA	
Discharge cut-off Voltage	1.0V	
Operating Temperature	-20~35°C	

### 3. TEST CONDITIONS

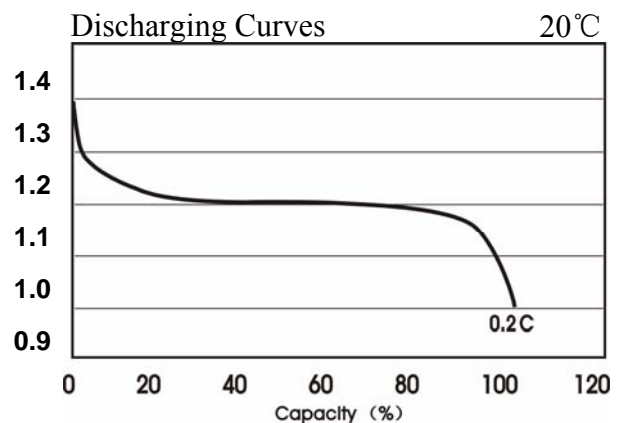
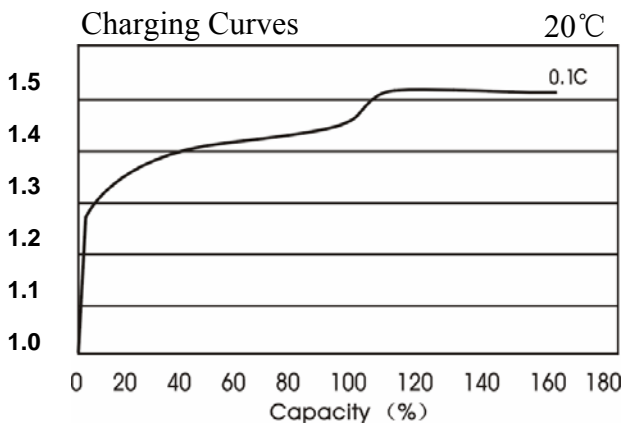
Test item	Condition	Specification
Condition for standard operation	The test is carried out with new batteries (within a month after delivery). ambient conditions: Temperature: 20±5°C Humidity: 65±20% Tolerances ±5% for voltage and current	
(1)Normal Charge	charging at a constant current of 0.1C(16mA) 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	≥1.25V
(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.	≥300min

(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.				≥300min
(5)Charge retention	The charged cell is stored for 28 days .And the discharge time is measured at normal discharge.				≥225min
(6)Life expectancy (IEC cycle)	Cycle number	Charge	Rest	Discharge	Amount 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]				

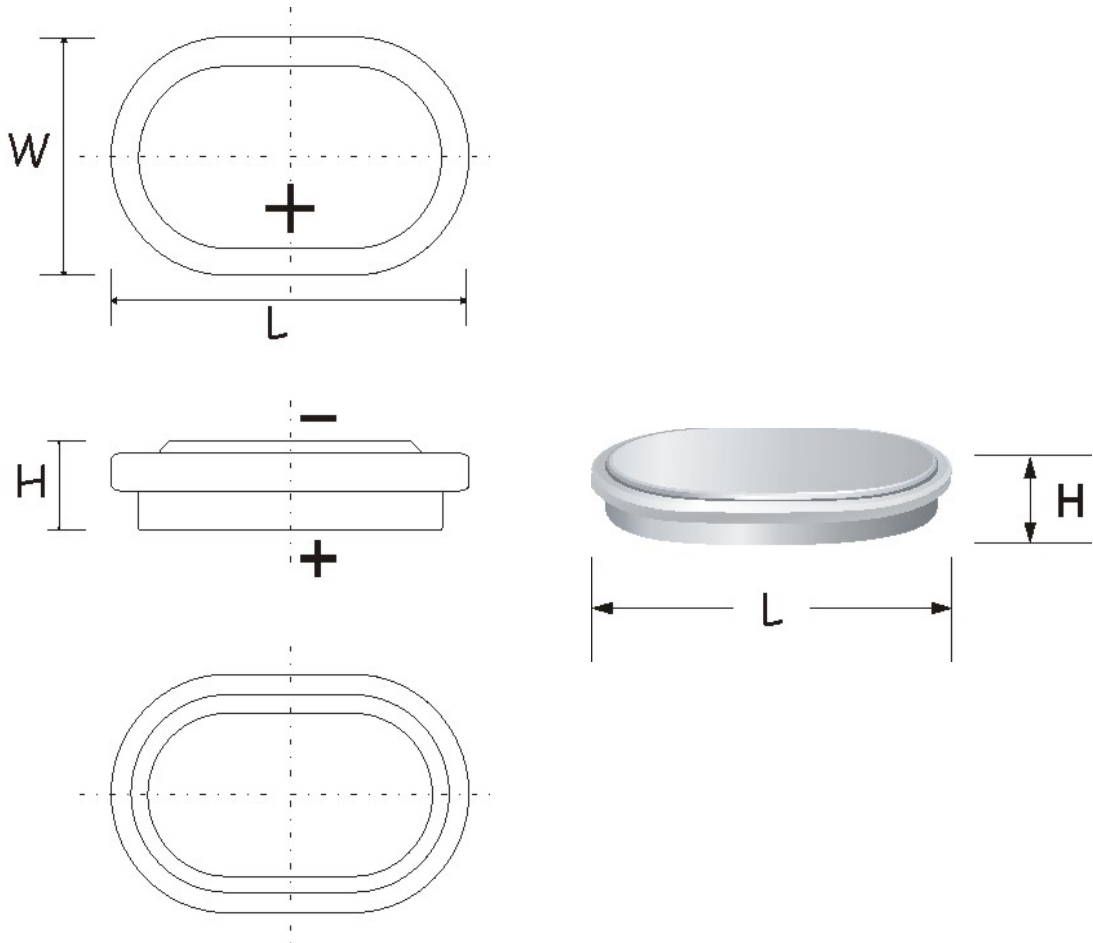
**4.PRECAUTION**

- 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.

**5.TYPICAL PERFORMANCE**



*sn:39374958*



Label	H	LxW							Weight
Dimensions (mm)	5.7	23.5x15.1							6g
Tolerance	Max.	Max.							Approx.
DRG. NO.	Tag of Anode	Tag of Cathode	Connector	Wire	PVC Tube				
235151.1A0									