SPECIFICATION

To:	
Model:	JN20H
Files Code:	20H116031.1A0
SN:	393731544

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



DATA SHEET

1.SYSTEM Rechargeable Ni-MH Button Cells

2.DATA SHEEL

Nominal Capacity	20mAh	
Nominal Voltage	1.2V	
Normal Charging	2mA	for 16h
Trickle Charging	0.6-1mA	continuous
Normal Discharging	4mA	
Discharge cut-off Voltage	1.0V	
Operating Temperature	-20~35℃	

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(2mA) for 16h. Prior to charging, the cell shall have been discharged at a constant current of 0.2C(4mA), 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(4mA), down to a final voltage of 1.0V/cell. five cycles are permitted for this test.	

(4)Overcharge	Prior to be char this char then be voltage	≥300min				
(5)Charge retention		The charged cell is stored for 28 days .And the discharge time is measured at normal discharge.				
(6)Life expectancy (IEC cycle)	Cycle number	Charge	Rest	Discharge		
	1	2mA x 960min	None	5mAx140 min		
	2-48	5mAx190 min	None	5mAx140 min		
	49	5mAx190 min	None	5mA to 1.0V/cell		
	50	2mA x 960min	1-4h	4mA to 1.0V/cell	Amount of	
	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]				cycles ≥500	

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





