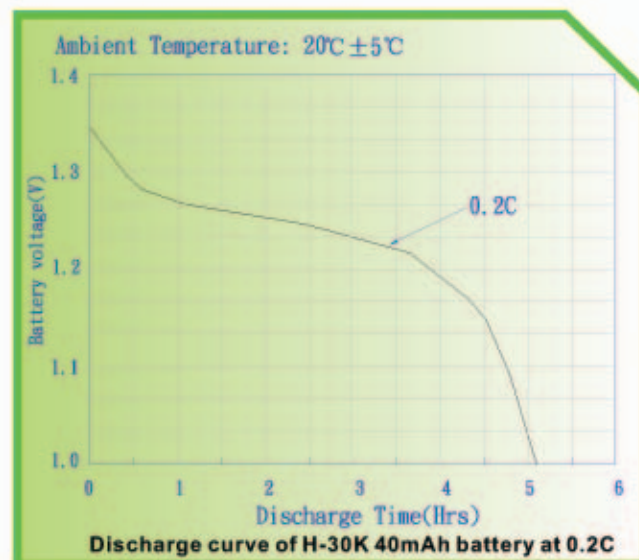
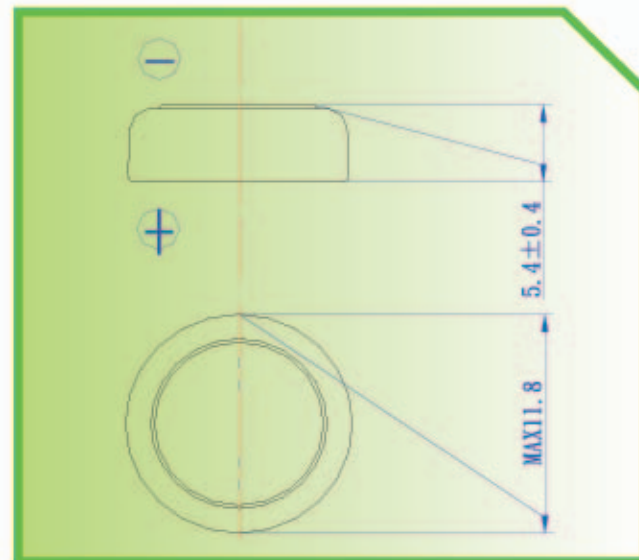


Ni-MH rechargeable Button cell battery (Data Sheet)

Specification

Dimensions	Diameter (mm)	11.8max	
	Height (mm)	5.4±0.4	
	Weight (g)	Approx 2.5g	
Nominal Voltage (V)		1.2 V	
Nominal Capacity (mAh)		40	
Internal Impedance (mΩ)		≤1500	
Discharge Cut-off Voltage		1.0V	
Ambient Temperature	Charge	standard	0°C to 40°C
		quick	10°C to 40°C
	Discharge		-10°C to 50°C
	Storage	<1 year	-10°C to 30°C
		<3 months	-10°C to 40°C



Test Procedure

Test Item	Condition	Specification
1. Charge	Standard	Charge at 0.1C5 for 16 hours
	Quick	Charge at 0.2C5 for 7 hours
2. Standard Discharge	Discharge At 0.2C5 to 3.0V	
3. Discharge Cut-off Voltage		1.0V
4. Capacity	Nominal	Standard Charge/Discharge 40mAh
	Typical	Standard Charge/Discharge 45mAh
5. Internal resistance	After charge at 0.2C5 to for 2.5 hours, rest 5 hours, measured at 1000Hz	≤1500mΩ
6. Cycle life	Standard by IEC	Capacity Retention ≥ 65% After 500 cycles
7. Self-Discharge	The charged battery is stored for 28 days at 20 °C± 5 °C . And the discharge time is measured at standard discharge	≥180minutes
8. High Temperature Test	Store at 50°C for 2 hours then at 0.2C Discharge, first, charge at 0.1C for 16h at 20°C±5°C	≥270minutes
9. Low Temperature Test	Store at 0°C for 2 hours then at 0.2C Discharge, charge at 0.1C 16h at 20 °C±5°C first.	No leakage
10. Short Circuit Test	Short circuit after fully charge	No explode
11. Drop Test	Free fall on the concrete from 1 meter using to 3 axis after fully charged	No leakage No short-circuit No Creak of sleeve

