

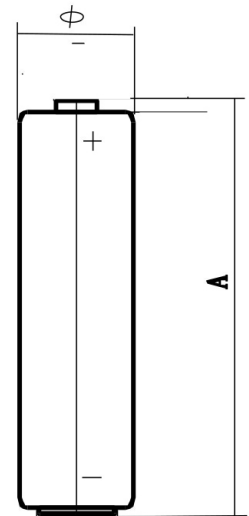
Nickel Metal Hydride Battery

SPECIFICATIONS

Type Designation	HR03 80R
Chemical System	Ni/KOH-H ₂ O/MH
Nominal Voltage	1.2V
Approx. Weight	12.7g
Dimensions (mm)	Diameter: 9.8 ~ 10.5 Height: 43.3 ~ 44.5
Nominal Capacity	800mAh Discharged at 0.2C, 24h/d, 20±5°C, e.v.=1.0V
Standard Charge	80mA X 16hrs
Operating Temperature	Charge: 0°C ~ 45°C Discharge: -20°C ~ 60°C
Recommended Storage Temp.	-20°C ~ 35°C
Packaging materials comply with EU's directive on packaging materials and waste. (94/62/EC)	



Dimensions	/	Min.	Max.
Φ		9.8	10.5
A		43.3	44.5



WARNINGS

- Should be charged prior to use
- Use the correct charger for Ni-MH batteries
- Do not reverse charge
- Do not subject to adverse conditions such as extreme temperature, deep cycling and excessive over charge/over discharge

PERFORMANCE

Test	Unit	Specification	Condition	Remarks
Open Circuit Voltage (OCV)	V	≥ 1.25	Within 1hr after standard charge	Unit Cell
SERVICE PERFORMANCE				
Standarge Discharge (0.2C ₅)	minute	≥ 300	Standard Charge, 1hr rest before discharge	Up to 3 cycles are allowed. The test shall be terminated at the end of the first cycle which meets the requirement.
High Rate Discharge (1C ₅)	minute	≥ 48	Standard Charge, 1hr rest before discharge	
Charge Retention	mAh	≥ 640 (80%C ₅)	Standard Charge Storage 12 months at 20°C. Standard discharge.	Low self-discharge
IEC Cycles Test	Cycle	≥ 1000	IEC 61951-2	

REV V1