The Source of Electric Power
MINAMOTO®
Website: www.minamoto.com
e-mail: info@minamoto.com

Rechargeable Ni-MH Button Cell

High Temperature Type

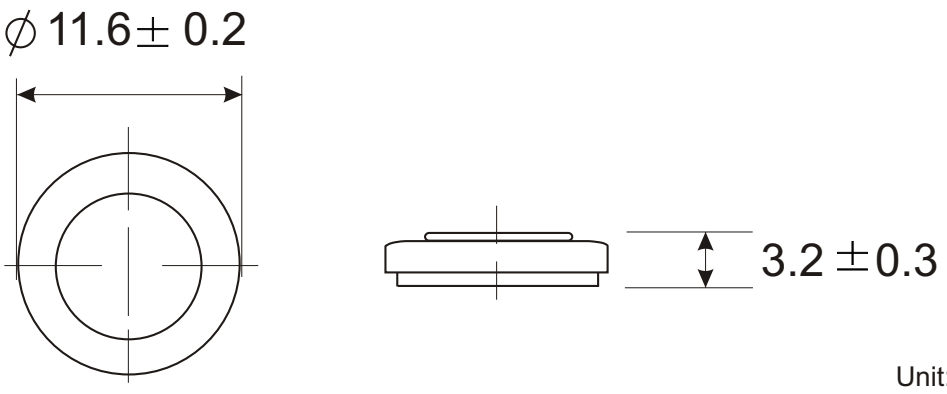
MH-12/HT

Specification

No.	Item	Characteristics
1	**Chemistry**	Nickel Metal Hydride / Potassium Hydroxide Electrolyte
2	**Nominal Voltage**	1.2V
3	**Typical Capacity**	18mAh
4	**Approximate weight**	1.2g
5	**Dimension**	**Diameter:** 11.6mm ± 0.2mm **Height:** .3.2mm ± 0.3mm
6	**Storage Temperature Range**	
	< 30 days	-40°C - 80°C
	< 90 days	-40°C - 65°C
	< 1 year	-40°C - 50°C
7	**Operating Temperature Range**	
	During discharge	-20°C - 80°C
	During charge	0°C - 80°C
8	**Charging Method**	
	Typical Charging	1.8mA for 14 - 16 hours
	Accelerated Charging (20°C)	3.6mA for 7 hours
	Fast Charging (Time controlled, voltage control recommended)	9mA for 3 hours*
	Trickle Charging	0.54mA
9	**Overcharge (20°C)**	1.8mA continuous
10	**Charge Retention at 20°C** (Capacity available after 1 month Storage at 20°C)	90%
11	**Life Expectancy (typical):**	
	IEC Cycle	500 Cycles
	Trickle Charge	up to 5 years (20°C)

* For fully discharged cells, 20°C

(Not to scale)



Unit: mm

**Note: The data in this document are for descriptive purposes only and subject to change without prior notice.