

TYPE: H-AAA700

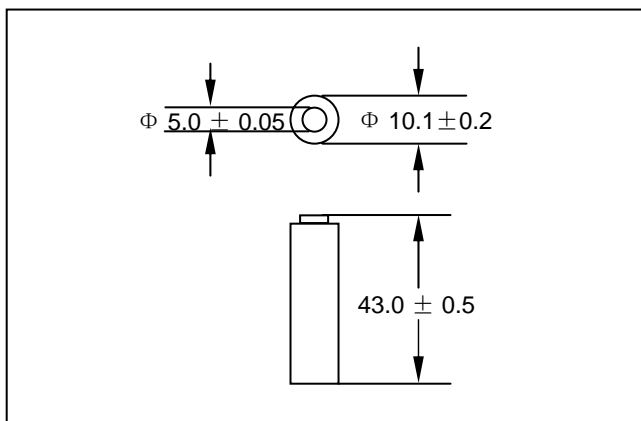
Specifications

Nominal Dimension : (with sleeve)	$\Phi = 10.1 \pm 0.2\text{mm}$ $H = 43.5 \pm 0.5\text{mm}$
Applications :	Recommended discharge current 70mA to 700 mA
Nominal Voltage :	1.2V
Nominal Capacity* :	700mAh when discharge at 140mA(0.2C) to 1.0V at 20°C
Standard Charge :	70mA(0.1C) for 15 hrs at 20°C
Fast Charge :	700mA (1C) with charge termination control Recommended control parameters - ΔV :5mV & $\Delta T/\Delta t$:0.8~1°C/min Timer: 120 % nominal input
Service Life :	> 500 cycles
Continuous Overcharge :	70mA maximum permissible current No conspicuous deformation and / or leakage
Weight** :	13g
Internal Resistance** :	Max 40m Ω at 1000Hz measured within 1 hour after standard charge
Max. Charging Voltage :	1.5V at 140mA(0.2C) charging
Ambient Temperature : Range	Standard Charge : 0°C to 45°C Fast Charge : 10°C to 45°C Discharge : -20°C to 45°C Storage : -20°C to 45°C

Note:

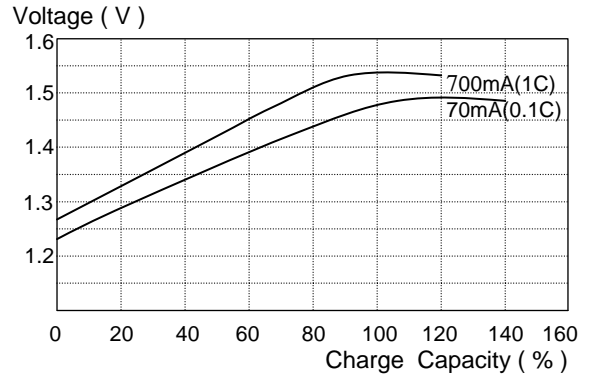
*0.2C discharge capacity after charging at 0.1C for 15 hours.

**Weight and internal impedance are for reference.

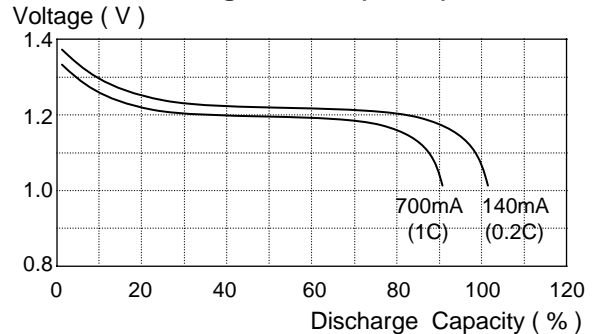


Characteristics

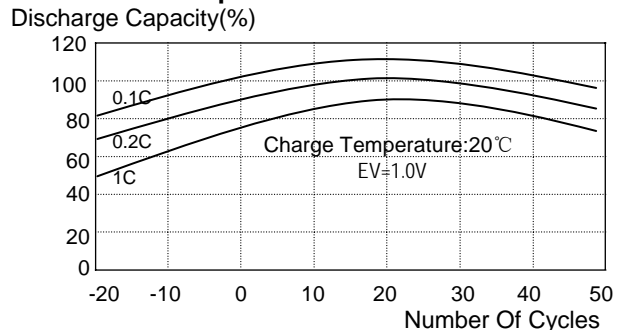
Charge Curves (20°C)



Discharge Curves (20°C)



Temperature Characteristic



American Toppower

Add: 2033 Route 130, Unit N, Monmouth Junction, NJ 08852

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.