

## TYPE: H-4/5A2000

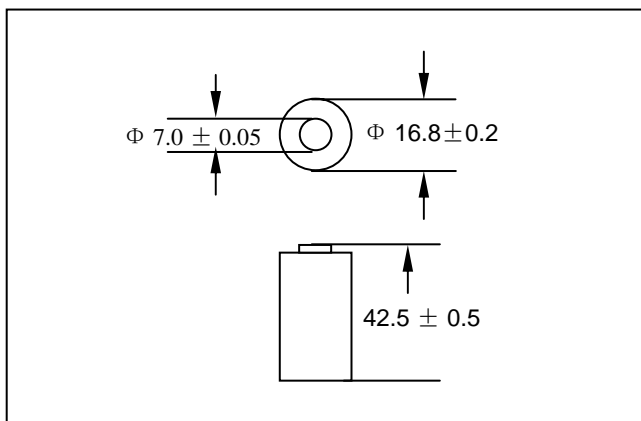
### Specifications

|                                      |                                                                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Dimension :<br>(with sleeve) | $\Phi = 16.8 \pm 0.2 \text{mm}$<br>$H = 42.5 \pm 0.5 \text{mm}$                                                                                                        |
| Applications :                       | Recommended discharge current<br>200mA to 2000 mA                                                                                                                      |
| Nominal Voltage :                    | 1.2V                                                                                                                                                                   |
| Nominal Capacity* :                  | 2000mAh when discharge at<br>400mA(0.2C) to 1.0V at 20°C                                                                                                               |
| Standard Charge :                    | 200mA(0.1C) for 15 hrs at 20°C                                                                                                                                         |
| Fast Charge :                        | 2000mA (1C)<br>with charge termination control<br>Recommended control parameters<br>- $\Delta V$ :5mV & $\Delta T/\Delta t$ :0.8~1°C/min<br>Timer: 120 % nominal input |
| Service Life :                       | > 500 cycles                                                                                                                                                           |
| Continuous Overcharge :              | 200mA maximum permissible<br>current<br>No conspicuous deformation<br>and / or leakage                                                                                 |
| Weight** :                           | 30g                                                                                                                                                                    |
| Internal Resistance** :              | Max 25m $\Omega$ at 1000Hz measured<br>within 1 hour after standard charge                                                                                             |
| Max. Charging Voltage :              | 1.5V at 400mA(0.2C) charging                                                                                                                                           |
| Ambient Temperature :<br>Range       | Standard Charge : 0°C to 45°C<br>Fast Charge : 10°C to 45°C<br>Discharge : -20°C to 45°C<br>Storage : -20°C to 45°C                                                    |

**Note:**

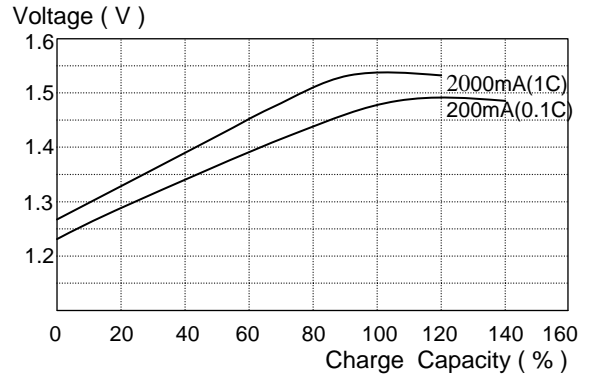
\*0.2C discharge capacity after charging at 0.1C for 15 hours.

\*\*Weight and internal impedance are for reference.

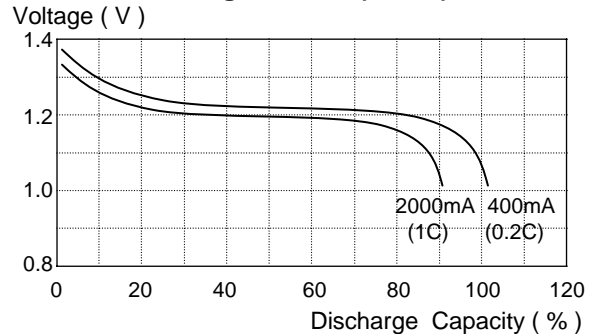


### Characteristics

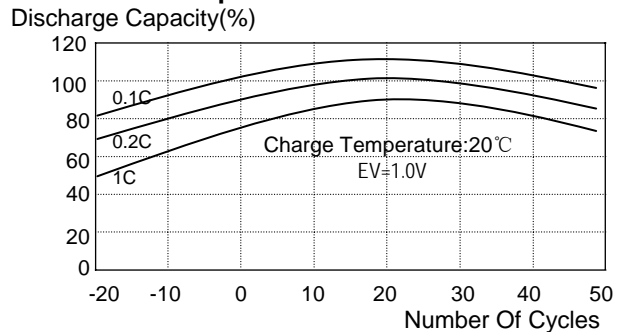
#### Charge Curves ( 20°C )



#### Discharge Curves ( 20°C )



#### Temperature Characteristic



**American Toppower**

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