



# NI-CD BATTERY INDIVIDUAL DATA SHEET

## TYPE: T-2/3AAA180

### Specifications

|                                      |   |
|--------------------------------------|---|
| Nominal Dimension :<br>(with sleeve) | $\Phi = 10.1 \pm 0.2 \text{mm}$<br>$H = 28.0 \pm 0.5 \text{mm}$   |
| Applications :                       | Recommended discharge current<br>18mA to 180 mA   |
| Nominal Voltage :                    | 1.2V  |
| Nominal Capacity* :                  | 180mAh when discharge at<br>36mA(0.2C) to 1.0V at 20°C  |
| Standard Charge :                    | 18mA(0.1C) for 15 hrs at 20°C   |
| Fast Charge :                        | 90mA (0.5C )<br>with charge termination control<br>Recommended control parameters                                   |
| Service Life :                       | > 500 cycles  |
| Continuous Overcharge :              | 18mA maximum permissible<br>current<br>No conspicuous deformation<br>and / or leakage                               |
| Weight** :                           | 8.0g  |
| Internal Resistance** :              | Max 35m $\Omega$ at 1000Hz measured<br>within 1 hour after standard charge  |
| Max. Charging Voltage :              | 1.5V at 36mA(0.2C) charging   |
| Ambient Temperature :                | 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 |

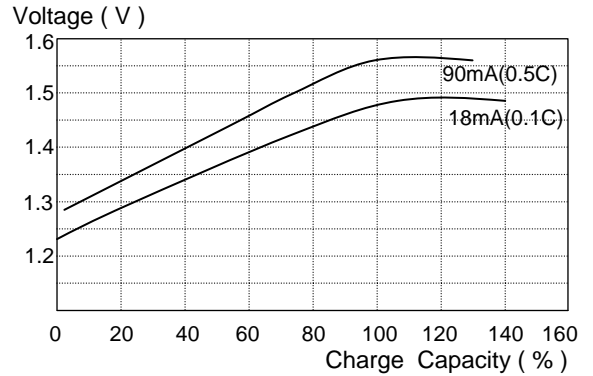
**Note:**

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

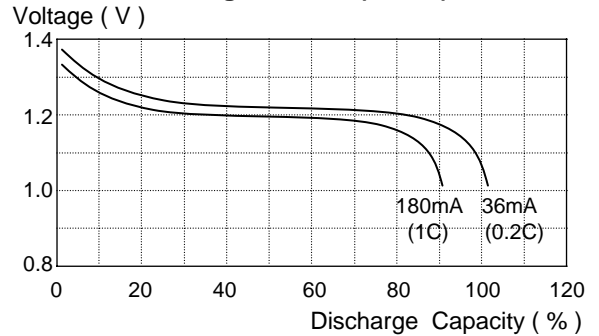
\*\*Weight and internal impedance are for reference.

### Characteristics

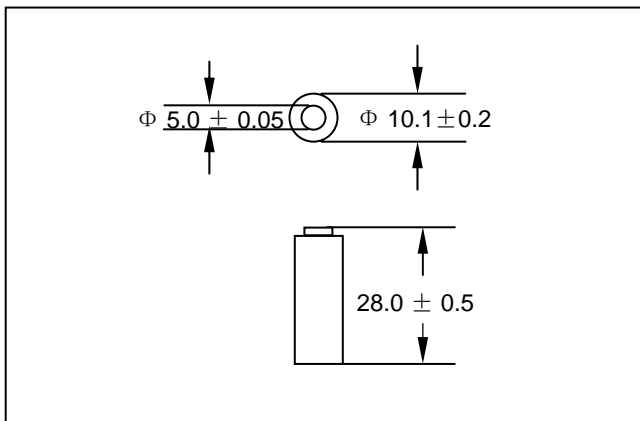
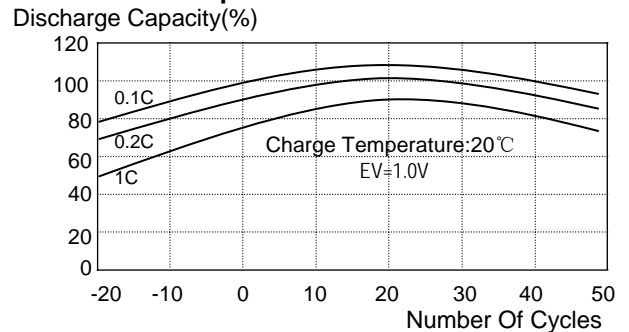
#### Charge Curves ( 20°C )



#### 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.