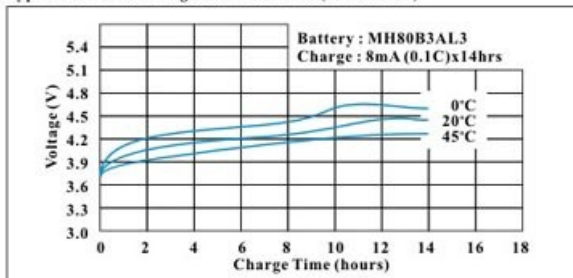


# NIMH RECHARGEABLE BUTTON BATTERY

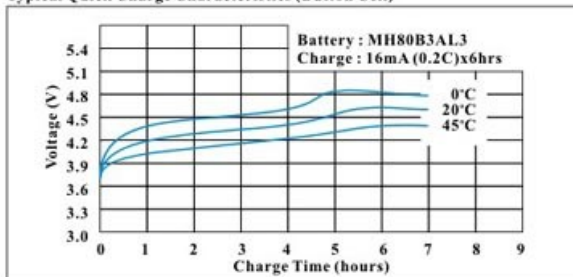
## SPECIFICATIONS

|                          |   |  |
|--------------------------|---|--|
| Model                    | : | MH80B3AL3  |
| Description              | : | NiMH rechargeable button cell battery  |
| Nominal Capacity         | : | 80 mAh at 16mA rate discharge (3 cycles allowed)   |
| Nominal Voltage          | : | 3.6 Volt (After charge)  |
| Cut-Off Voltage          | : | 3.0 Volt   |
| End of Charge Voltage    | : | $\leq 4.8$ Volt  |
| End of Discharge Voltage | : | $\geq 2.7$ Volt  |
| Weight                   | : | 10.5 gram  |
| Life Duration            | : | $\geq 500$ cycles (Comply to IEC 61951-2 2nd Ed. 2003-04)  |
| Charge                   | : | Trickle - 2.4-4 mA<br>Standard - 8 mA x 14 hours<br>Quick - 16 mA x 6 hours (with cut-off control) |
| Recharge                 | : | Every 3-6 months recommended   |
| Temperature Environment  | : | Charge - 0 degC to 45 degC<br>Discharge - -10 degC to 45 degC<br>Storage - -20 degC to 55 degC     |
| Trickle Charge           | : | 2.4mA for 28 days, no leakage, no explosion  |
| Charge Retention         | : | $>60\%$ for 28 days storage after standard charge  |
| Leakage                  | : | No leakage, No explosion under standard operating condition  |
| Vibration                | : | Battery remain normal after vibration at Amp: 4mm;<br>Freq.: 1000/min for 60 min.                  |
| Shock                    | : | Battery remain normal after dropping from 450mm to an Oak board for 3 times                        |

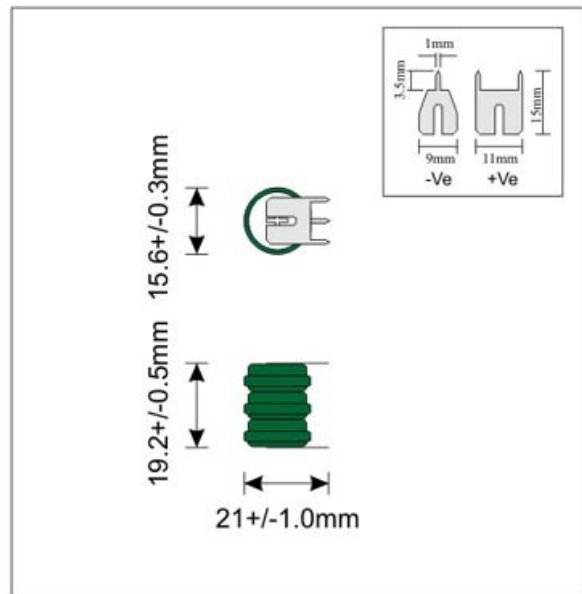
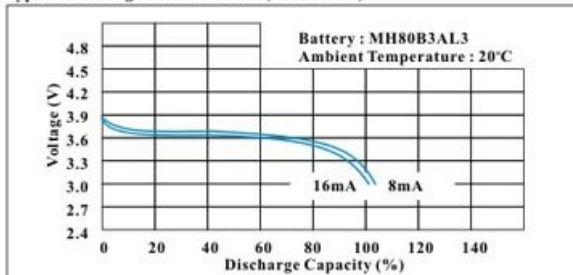
Typical Standard Charge Characteristics (Button Cell)



Typical Quick Charge Characteristics (Button Cell)



Typical Discharge Characteristics (Button Cell)



Typical Storage Characteristics (Button Cell)

