



**Designation IEC:**

**HR 03**

Size:..... **AAA**  
 Nominal Voltage:..... **1.2 V**  
 Rated Capacity:..... **1000 mAh**  
 Internal Resistance DC, fully charged:..... **80 mOhm**  
 Impedance AC at 1kHz, fully charged:..... **40 mOhm**

**Typical Capacity at:**

0.2 C / 1.00 V:..... **1000 mAh**  
 1.0 C / 0.90 V:..... **850 mAh**  
 Max Discharge Current (continuous / 0.8 V):..... **2.0 A**

**Charge Retention:**

After one year 65% of initial capacity at 20° C determined at 0.2 C rate

**Dimensions (including shrink sleeve/label):**

Diameter a:..... **10.5<sup>-1.0</sup> mm**  
 Height b:..... **44.5<sup>-1.2</sup> mm**  
 Shoulder Height c:..... **43.7<sup>-1.2</sup> mm**  
 Cap Diameter d:..... **3.8<sup>-2.0</sup> mm**  
 Volume:..... **3.8 cm<sup>3</sup>**  
 Weight approx:..... **14 g**

**Charge Conditions at:**

Standard Charge:..... **100 mA, 16 h**  
 Fast Charge:..... **1000 mA (dT/dt, -dV)**  
 Trickle Charge (0.03 - 0.05 C):..... **30 – 50 mA**

**Temperatures (recommended / permissible) at:**

Storage:..... **-20° C ... 25° C / -20° C ... 40° C**  
 Charge:..... **15° C ... 30° C / 0° C ... 45° C**  
 Fast Charge:..... **15° C ... 30° C / 0° C ... 40° C**  
 Discharge:..... **0° C ... 40° C / 0° C ... 50° C**

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