


Designation IEC:
HR 03

Size:..... **AAA**
 Nominal Voltage:..... **1.2 V**
 Rated Capacity:..... **1000 mAh**
 Internal Resistance DC; fully charged:..... **81 mΩ**
 Impedance AC at 1 kHz; fully charged:..... **38 mΩ**
 Max. Discharge Current (continuous load / 0.8 V):..... **2.0 A**

Typical Capacity at:

0.2 C / 1.0 V:..... **1000 mAh**
 1.0 C / 0.9 V:..... **900 mAh**

Charge Retention:

65 % of initial capacity after one year storage at 20 °C; determined at
 0.2 C discharge rate

Dimensions:

Diameter a:..... **10.5 ^{-1.0} mm**
 Height b:..... **44.5 ^{-1.2} mm**
 Shoulder Height c:..... **43.7 ^{-1.2} mm**
 Cap Diameter d:..... **3.8 ^{-1.8} mm**
 Volume:..... **3.8 cm³**
 Weight (approx.):..... **14 g**

Charge Conditions at:

Standard Charge:..... **100 mA, 16 h**
 Fast Charge:..... **1000 mA (-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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