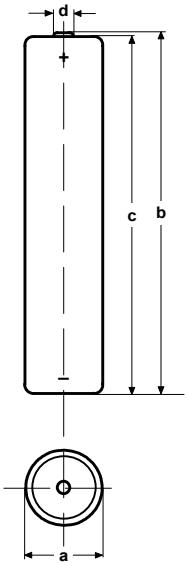
Data Sheet Sealed rechargeable Ni-MH Cylindrical Cell / Ready2Use 56703



Designation IEC (Draft): HR 03

Size:	**AAA**
Nominal Voltage:	**1.20 V**
Rated Capacity:	**800 mAh**
Internal Resistance DC, fully charged:	**45 mOhm**
Impedance AC at 1kHz, fully charged:	**25 mOhm**

Typical Capacity at:

0.2 C / 1.00 V:	**800 mAh**
1.0 C / 0.97 V:	**720 mAh**
Max Discharge Current (continuous / 0.8 V):	**2400 mA**

Charge Retention:

After one year 75% of initial capacity at 20º C determined at 0.2 C rate

Dimensions (including shrink sleeve/label):

Diameter a:	**$10.5_{-1.0}$ mm**
Height b:	**$44.5_{-1.0}$ mm**
Shoulder Height c:	**$43.5_{-1.0}$ mm**
Cap Diameter d:	**$3.8_{-0.5}$ mm**
Volume:	**3.5 cm^3**
Weight approx:	**13 g**
Energy Density:	**274 Wh/l**
Specific Energy:	**74 Wh/kg**

Charge Conditions at:

Standard Charge:	**80 mA, 15 h**
Fast Charge:	**800 mA (-dV)**
Trickle Charge (0.03 - 0.05 C):	**24 – 40 mA**

Temperatures (recommended / permissible) at:

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

Life Expectancy at Cycling, IEC 61951: more than 500 cycles

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All data contained herein is for single cells.
For battery applications, performance data may vary from single cell data, depending on specific battery configuration.

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Subject to change without prior notice!
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