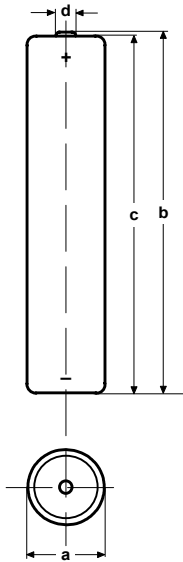


Data Sheet Sealed rechargeable Ni-MH Cylindrical Cell (Consumer Version)



Designation IEC (Draft):

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):.....	2400 mA
Max Short Time Current (2 sec / 0.75 V):.....	3000 mA

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:.....	3.8 cm³
Weight approx:.....	13 g
Energy Density:.....	316 Wh/l
Specific Energy:.....	93 Wh/kg

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 ... 30° C / -20° C ... 50° C
Charge:.....	0° C ... 30° C / 0° C ... 40° C
Fast Charge:.....	0° C ... 30° C / 0° C ... 40° C
Discharge:.....	0° C ... 30° C / 0° C ... 50° C

Life Expectancy at Cycling:

more than 500 cycles

All data contained herein is for single cells.

For battery applications, performance data may vary from single cell data, depending on specific battery configuration.