



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 $_{-1.0}^{+0.0}$ mm
Height b:..... 44.5 $_{-1.2}^{+0.0}$ mm
Shoulder Height c:..... 43.7 $_{-1.2}^{+0.0}$ mm
Cap Diameter d:..... 3.8 $_{-2.0}^{+0.0}$ mm
Volume:..... 3.8 cm³
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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