

Rechargeable NiMH Cylindrical

Data Sheet

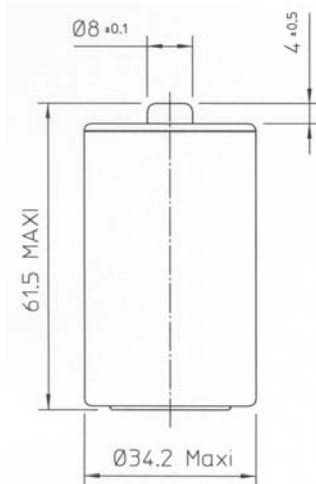
Type Number 5120
Designation IEC HR 20
System NiMH

Nominal Voltage 1.2 V
Rated Capacity (0.2C / 1.0V) 2950 mAh

Impedance AC at 1kHz, fully charged ... typ. <4 mΩ

Typical Capacity at
 0.2 C / 1.00 V 3050 mAh
 0.5 C / 1.00 V 2950 mAh
 1.0 C / 1.00 V 2900 mAh

Max Discharge Current (cont./1.0V) 40 A



Dimensions

Diameter..... max. 34.2 mm
 Height max. 61.5 mm
 Cap Diameter 8.1 -0.2 mm
 Weight, approx. 71 g

Charge Conditions at:

Standard Charge 295 mA @ 16 h @ t_{max}
 Fast Charge max. 2950 mA @ 1~2 h @ t_{max} &
 $-\Delta U = 0.1\sim 0.5\%$ (single cell)

Temperature Ranges (recommended / permissible) at

Storage 5°C~25°C / -20°C~45°C (<1month)
 (recommended in 30~35% charge state)
 Charge 0°C~40°C
 Fast Charge 0°C~35°C
 Discharge 0°C~40°C

Life Expectancy at Cycling >600 cycles
 (Charge 0.1C / Discharge 1C) (70% of initial capacity)

All Data contained herein is for single cells

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

VARTA Microbattery GmbH, Daimlerstr. 1, D-73479 Ellwangen/Jagst
 Tel.: (+49) 7961/921-0, Telefax: (+49) 7961/921-553

Subject to change without prior notice!
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