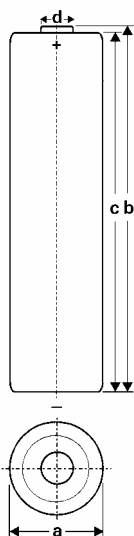


Data Sheet



Type Number: 55127
Designation IEC HR 17/50
System NiMH Battery

Nominal Voltage: 1.2 V
Rated Capacity (0.2C / 1.0V): 2450 mAh
Internal Resistance DC, fully charged: 42 mOhm
Impedance AC at 1kHz, fully charged: 35 mOhm

Typical Capacity at:
0.2 C/ 1.00 V: 2700 mAh
1.0 C/ 0.97 V: 2450 mAh

Max Discharge Current (cont./1.0V): 8100 mA
Max. Short Time Current (2sec/0.75V): 13500 mA

Dimensions:
Diameter (a): 16.7 -0.4 mm
Height (b): 48.8 -0.6 mm
Shoulder Height (c): 47.8 -0.6 mm
Cap Diameter (d): 8.5 -1.0 mm

Weight, approx: 40 g

Volume: 10.75 cm³
Energy Density: 301 Wh/l
Specific Energy: 81 Wh/kg

Charge Conditions at:
Standard Charge: 270 mA/ 14-16 h
Accelerated Charge: 540 mA/ 7-8 h
Fast Charge: 2700 mA (dT/dt, -dV)
Trickle Charge (0.03-0.05 C) no

Temperatures (recommended/missible) at:
Storage: -10°C - +25°C*/ -20°C - +35°C**
Charge: +15°C - +30°C/ 0°C - +45°C
Fast Charge: +15°C - +30°C/ +5°C - +45°C
Discharge: -10°C - +45°C/ -20°C - +60°C

Life Expectancy at cycling: >500 cycles***

* less than 1 year

** less than 9 months (mean temperature max. 25°C)

*** According to IEC285 standard: 1993 #4.4.1

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!

Date of issue: 23.05.03