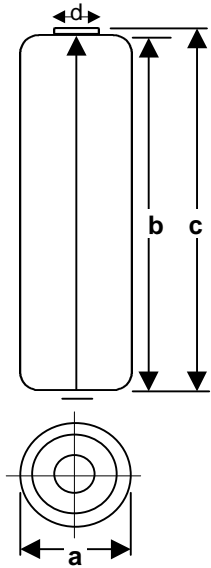


Sealed Rechargeable Ni-MH High Capacity Cylindrical Cell

Preliminary Data Sheet



Designation IEC (Draft):.....	HR 15/50
Size:.....	AA
Order No:.....	55115 201 052
Nominal Voltage:.....	1.2V
Rated Capacity: (0.2C/1.0V).....	1550mAh
Internal ResistanceDC, fully charged:.....	25 mOhm
Impedence AC at 1kHz, fully charged:.....	15 mOhm
Typical Capacity at:	
0.2C/1.00V:.....	1600mAh
1.0C/0.87V:.....	1550mAh
2.0C/0.95V:.....	1500mAh
3.0C/0.90V:.....	1450mAh
Max Discharge Current (continuous/0.8V)	4.65A
Max Short Time Current (2 sec/0.75V)	7.75A
Dimensions (Including shrink sleeve(label))	
Diameter a:.....	14.5 ^{-0.7} mm
Height b:.....	50.0 ^{-1.0} mm
Shoulder Height c:.....	49.8 ^{-1.0} mm
Cap Diameter d:.....	7.5 ^{-1.0} mm
Volume:.....	7.78 cm ³
Weight, approx:.....	27g
Energy Density:.....	247Wh/l
Specific Energy:.....	71Wh/l
Charge Conditions at:	
Standard Charge:.....	155mA, 14-16h
Accelerated Charge:.....	465mA, 4.75h
Fast Charge:.....	1550mA (dT/dt, -dV)
Trickle Charge (0.03-0.05C):.....	no
Temperatures (recomended/permissible) at:	
Storage:.....	-20°C...25°C/-20°C...35°C
Charge:.....	15°C...30°C/0°C...45°C
Fast Charge:.....	-20°C...25°C/5°C...35°C
Discharge:.....	-10°C...45°C/-20°C...60°C
Life Expectancy at Cycling:.....	more than 500 cycles (analogous to IEC 285)

All data contained herein is for single cells.

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