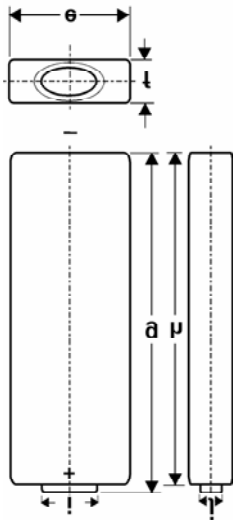
VH 640 F6M

Rechargeable Ni-MH Prismatic

Preliminary Data Sheet



Type Number:	55064
Designation IEC	HR 18/07/34
System	Ni-MH Battery
Nominal Voltage:	1.2 V
Min. Capacity (0.2C / 1.0V):	570 mAh
Internal Resistance DC, fully charged:	
Impedance AC at 1kHz, fully charged:	25 mOhm
Typical Capacity at:	
0,2 C/ 1.00 V:	600 mAh
1.0 C/ 0.97 V:	570 mAh
Max Discharge Current (cont./1.0V):	1350 mA
Max. Short Time Current (2sec/0.75V):	
Dimensions:	
Width (e):	15.9 -0.5 mm
Thickness (f):	6.6 -0.4 mm
Height (g):	33.7 -0.6 mm
Shoulder Height (h):	33.4 -1.0 mm
Cap Width (i):	5.8 -1.0 mm
Cap Thickness (j):	2.9 -1.0 mm
Weight, approx:	12.5 g
Volume:	3.4 cm³
Energy Density:	215 Wh/l
Specific Energy:	58 Wh/kg
Charge Conditions at:	
Standard Charge:	60 mA/ 14-16 h
Accelerated Charge:	180 mA/ 4.75h
Fast Charge:	600 mA (dT/dt,-dV)
Trickle Charge (0.03-0.05 C)	no
Temperatures (recommended/permissible) 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

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