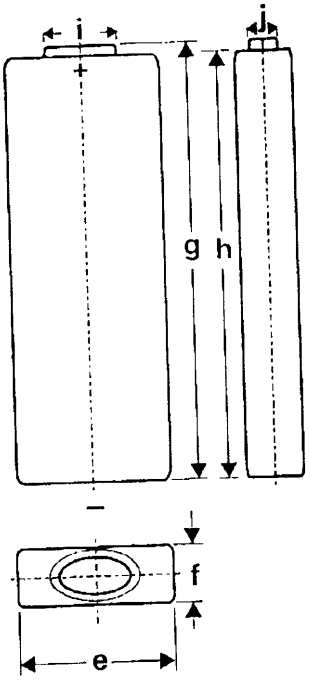
358-6479

VARTA
THE BATTERY EXPERTS

VH 900 F5 HIGH CAP

Sealed Rechargeable Ni-MH High Capacity Cylindrical Cell

Data Sheet



Designation IEC (Draft):	HF15/08/49
Size:	F5
Order No:	55088 201 052
Nominal Voltage:	1.2 V
Rated Capacity (0.2C / 1.0 V):	850 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:	880 mAh
1.0 C / 0.97 V:	850 mAh
2.0 C / 0.95 V:	830 mAh
3.0 C / 0.90 V:	820 mAh
Max Discharge Current (continuous/0.8 V):	2.55 A
Max Short Time Current (2 sec/0.75 V):	4.25 A
Dimensions (including shrink sleeve/label)	
Width e:	14.5 $^{0}_{-0.7}$ mm
Thickness f:	7.4 $^{0}_{-0.7}$ mm
Height g:	48.2 $^{0}_{-1.0}$ mm
Shoulder Height h:	47.4 $^{0}_{-1.0}$ mm
Cap Width i:	5.8 $^{0}_{-1.0}$ mm
Cap Thickness j:	3.8 $^{0}_{-1.0}$ mm
Volume:	4.76 cm^3
Weight, approx:	18 g
Energy Density:	222 Wh/l
Specific Energy:	59 Wh/kg
Charge Conditions at:	
Standard Charge:	85 mA, 14-16 h
Accelerated Charge:	225 mA, 4.75 h
Fast Charge:	850 mA (dT/dt, -dV)
Trickle Charge (0.03-0.05 C):	no
Temperatures (recommended / permissible) at:	
Storage:	-20 °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:	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.

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Subject to change without prior notice!
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