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V 150 H  
Rechargeable NiMH Button

Data Sheet 1) 

Type Number: 55615  
System: Nickel Metal Hydride/  
KOH Electrolyte  
Nominal Voltage [V]: 1.2  
Nominal Capacity C [mAh]: 140  
Typical Capacity C [mAh]: 150  
at 28 mA / 1.00 V  
Weight, approx. [g] 6  
Dimensions [mm]:  
Length [l]: 13.9 - 14.1  
Width Facing [w]: 25.4 - 25.6  
Height [h]: 5.6 - 5.85  
UL Recognition: MH 13654 (N)  
Coding: Manufacturing 5 digit code  
(123 = day/4 = year/ 5 = version)  
Temperature Ranges [°C]  
Storage: less than 30 days  
-40 - 65  
Discharge: -20 - 65  
Charge: 0 - 65  
Charging Method:  
Normal Charging: 14 mA for 14 – 16 h  
Accelerated Charging (20°C): 28 mA for 7-8 h  
Fast Charging: 70 mA for 3 h *  
Time controlled, voltage control recommended  
Trickle Charging: 4.2 mA  
Overcharge (20°C): 14 mA continuous  
28 mA up to 1 year  
Charge Retention [%] at 20°C: 90  
Capacity available after 1 month Storage at 20°C  
Internal Resistance [Ohm]: 0.8  
at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)  
Impedance [Ohm]: 0.13  
at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)  
Typical Capacities [mAh]:  
at 140 mA / 0.90 V 88  
Max. Discharge Current (cont.) [mA]: 280  
Life Expectancy (typical):  
IEC Cycle: 1000 Cycles  
Trickle Charge: up to 6 years (20°C)  
Trickle Charge: up to 3 years (45°C)  

* for fully discharged cells, 20 °C  
Capacities based on normal charging  
1) Prior to use read Rechargeable NiMH Button Cell handbook @ www.varta-microbattery.com