Data Sheet 1)

Type Number: 55945  
System: Nickel Metal Hydride/ KOH Electrolyte  
Nominal Voltage [V]: 1.2  
Nominal Capacity C [mAh]: 450  
Typical Capacity C [mAh]: 450  
  at 90 mA / 1.00 V  
Weight, approx. [g]: 12.5  
Dimensions [mm]:  
  min.  max.  
  Length [l]: 23.9  24.1  
  Width Facing [w]: 33.9  34.1  
  Height [h]: 5.1  5.6  
UL Recognition: MH 13654 (N)  
Coding: Manufacturing 5 digit code  
  (123 = day/4 = year/ 5 = version)  
Temperature Ranges [°C]  
  min.  max.  
  Storage: less than 30 days -40  65  
  Discharge: -20  65  
  Charge: 0  65  
Charging Method:  
  Normal Charging: 45 mA for 14 – 16 h  
  Accelerated Charging (20°C): 135 mA for 4 h  
  Time controlled, voltage control recommended  
  Fast Charging: (20°C) 450 mA for - h *  
  Trickle Charging: 4.5 mA  
Overcharge (20°C): 13.5 mA up to 12 months  
  45 mA up to 6 months  
Charge Retention [%] at 20°C: 80  
  Capacity available after 1 month Storage at 20°C  
Internal Resistance [Ohm]: 0.14  
  at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)  
Impedance [Ohm]: 0.02  
  at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)  
Typical Capacities [mAh]:  
  at 450 mA / 0.9 V 430  
  at 1.35 A / 0.9 V 360  
Max. Discharge Current (cont.) [mA]: 2500  
Life Expectancy (typical):  
  IEC Cycle: 1000 Cycles (IEC 61951-2)  
  Trickle Charge: up to 5 years (20°C)  

*  (-dv=5-10 mV/ cell; dT/ dt=0.7°C/min)  
  Capacities based on normal charging  
1) Prior to use read Rechargeable NiMH Button Cell handbook @ www.varta-microbattery.com