V 150 HT
Rechargeable NiMH Button

Data Sheet ¹)

Type Number: 55716
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]:
   min.   max.
Length [l]: 13.9    14.1
Width Facing [w]: 25.4    25.6
Height [h]: 5.6      5.85
UL Recognition: MH13654
Coding: Manufacturing 5 digit code
   (123 = day/4 = year/5 = version)
Temperature Ranges [°C] min.   max.
   Storage: less than 30 days   -40     85
   Discharge:   -20     85
   Charge:   0       85
Charging Method:
   Normal Charging: 14 mA for 14 – 16 h
   Accelerated Charging: 28 mA for 7-8 h
   Fast Charging: 70 mA for 2.5h
   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]:
   at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)
   0.8
Impedance [Ohm]:
   at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)
   0.13
Typical Capacities [mAh]:
   at 140 mA / 0.9V
   88
Max. Discharge Current (cont.) [mA]: 280
Life Expectancy (typical):
   IEC Cycle: 1000 Cycles
   Trickle Charge:
      up to 6 years (20°C)
      up to 3 years (45°C)

Capacities based on normal charging
¹) Prior to use read Rechargeable NiMH Button Cell handbook @ www.varta-microbattery.com