

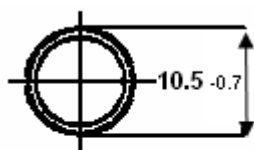
Data Sheet

Type Number 55171
Designation IEC HR 11 / 45
System NiMH

UL Recognition MH13654

Nominal Voltage 1.2 V
Rated Capacity (0.2 C / 1.0 V) 700 mAh

Impedance AC at 1 kHz, fully charged < 40 mOhm

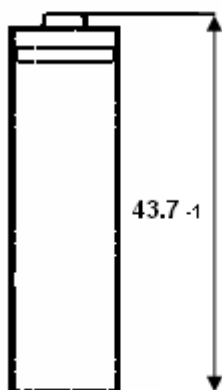


Typical Capacity at
 0.2 C / 1.00 V 730 mAh

Max Discharge Current (cont. / 1.0 V) 2100 mA

Dimensions

Diameter (a) 10.5 -0.7 mm
 Height (b) 43.7 -1.0 mm
 Cap Diameter (d) 4.7 mm
 Weight, approx 13 g


Charge Conditions

Standard Charge 70 mA / 16 h (t_{max})
 Fast Charge (charge termination control recommended). 350 mA to 700 mA
 (0.5 to 1 C)
 Control parameters $-\Delta U = 0 - 5$ mV
 $DT / dt = 0.8^{\circ}C / min$ (0.5 to 0.9 C)
 $0.8^{\circ}C - 1^{\circ}C / min$ (1 C)
 Temp. cut-off = 45 – 50 °C
 Timer: 105 % nominal input
 35 - 70 mA

Trickle Charge (0.05 - 0.1 C)

Temperature Range

Storage 1 Year ⁽¹⁾ -20 °C - +25 °C
 6 Month -20 °C - +35 °C
 1 Month -20 °C - +45 °C
⁽¹⁾ recharge every 6 months
 Charge 0 °C - 45 °C
 Fast Charge 10 °C - 45 °C
 Discharge -20 °C - 50 °C

All Data contained herein is for single cells

For battery applications, performance data may vary from single cell data, depending on specific battery configuration