battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR14; JIS: AM-2; ANSI: C; MN1400; Baby
chemical system: Zn / KOH-H₂O / MnO₂

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.62 V new battery
1.55...1.62 V after 1 year storage at 20°C

capacity
rated: 7500 mAh discharge at 25mA load; 24h/day
End Voltage (EV): 0.8V
7000 mAh discharge at 200hms load; 24h/day
End Voltage (EV): 0.9V

minimum: 6250 mAh discharge at 75mA constant current
End Voltage (EV): 0.8V
2500 mAh discharge at 1000mA constant current
End Voltage (EV): 0.8V

typical service output (new batteries)
≥ 18 h discharge at 3.9Ω resistive load; EV: 0.9V
discharge 4min/h 8h/d
≥ 19 h discharge at 3.9Ω resistive load; EV: 0.8V
discharge 1h/d
≥ 10.5 h discharge at 400mA constant current
discharge 2h/d
≥ 16.5 h discharge at 3.9Ω resistive load; EV: 0.9V
discharge 24h/d
≥ 118 h discharge at 20Ω resistive load; EV: 0.9V
discharge 4h/d

internal resistance: ≤ 0.15 Ω at 1kHz, sine wave measurement
according to IEC 896-2

shelf life: 7 years under proper storage conditions

leakage resistance
over discharge: no leakage 3.9ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

ambient temperature range: -10...50 °C

recommended storage conditions: 5...25 °C ambient temperature
45...75 % rel. humidity

mechanical specifications
cell dimensions
diameter d1: 26.0 - 1.0 mm
diameter d2: 7.0 - 1.0 mm
height h1: 50.0 - 1.0 mm
height h2: 2.0 - 0.4 mm
weight: 68 ± 3 g

blister card
dimensions: 120 x 85 mm
weight (incl. batteries): 144 ± 10 g

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice