

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 all measurements at 20°C ambient
 discharge at 25mA load; 24h/day
 End Voltage (EV): 0.8V
 7000 mAh discharge at 20ohms load; 24h/day
 End Voltage (EV): 0.9V
minimum: 6100 mAh discharge at 75mA constant current
 End Voltage (EV): 0.8V
 2300 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 load resistor: 3.9ohms; EV: 0.9V
 discharge 24h/d
 ≥ 118 h load resistor: 20ohms; 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%

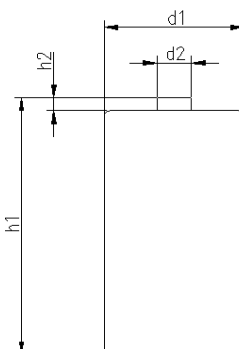
ambient temperature range: - 10...50 °C

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



43



ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

Ansmann XPower Alkaline battery C - size bulk package

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