

battery type: Lithium - Iron Disulfide
battery size: IEC: FR6; ANSI: AA; L91; Mignon
chemical system: Li-FeS₂

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.79...1.89 V new battery
 1.75...1.89 V after 1 year storage at 20°C

capacity
rated: 2900 mAh all measurements at 20°C ambient
 discharge at 75ohms load; 24hours/day
 End Voltage (EV): 0.9V

minimum: 2800 mAh discharge at 35mA constant current
 End Voltage (EV): 0.9V

2500 mAh discharge at 1000mA constant current
 End Voltage (EV): 0.9V

typical service output (new batteries)

≥ 960 cycles discharge at 1000mA; EV: 0.9V
 discharge 10s/m 1h/d

≥ 84 h load resistor: 43ohms; EV: 0.9V
 discharge 4h/d

≥ 170 min discharge at 1000mA; EV: 0.9V
 discharge 24h/d

≥ 20.3 h load resistor: 10ohms; EV: 0.9V
 discharge 24h/d

≥ 12.0 h discharge at 250mA; EV: 0.9V
 discharge 1h/d

internal resistance: ≤ 0.25 Ω at 1kHz, sine wave measurement
 according to IEC 896-2

shelf life: 10 years under proper storage conditions

leakage resistance

over discharge: no leakage 10ohms 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: - 40...60 °C

recommended storage conditions: -20....40 °C ambient temperature
 45...75 % rel. humidity

mechanical specifications

cell dimensions

diameter d1: 14.3 - 0.5 mm

diameter d2: 5.4 - 0.7 mm

height h1: 50.4 - 0.5 mm

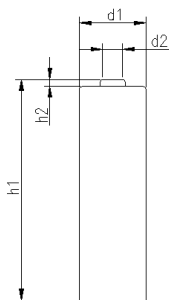
height h2: 1.7 - 0.5 mm

weight: 15 ± 2 g

carton box

dimensions: 73 x 32 x 51 mm

weight incl. batteries: 160 ± 10 g



13



ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

Ansmann Lithium Battery

"Industrial" AA - size 10pcs box

1502-0005

701801

TG / 07.10.2014

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