



**THE DATASHEET OF
1502-0001-XX**



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

nominal voltage: 1.5 V
open circuit voltage: 1.78...1.83 V new battery
 1.75...1.83 V after 1 year storage at 20°C

capacity rated: 3000 mAh all measurements at 20°C ambient discharge at 75ohms load; 24hours/day End Voltage (EV): 0.9V
minimum: 2800 mAh discharge at 100mA const. current End Voltage (EV): 0.8V
 2700 mAh discharge at 1000mA const. current End Voltage (EV): 0.8V

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: ≤ 350 mΩ at 1kHz, sine wave measurement full battery

max. discharge current: 2000 mA continuous
 3000 mA pulse

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%

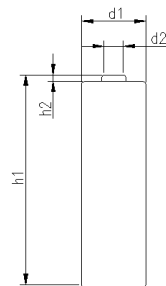
high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

ambient temperature range: - 40...60 °C

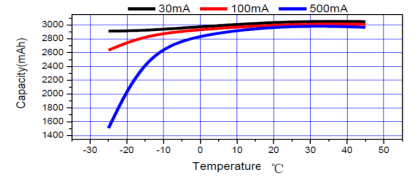
recommended storage conditions: - 20....40 °C ambient temperature
 45...75 % rel. humidity

mechanical specifications

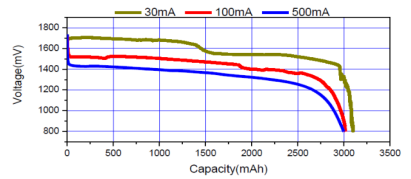
cell dimensions
 diameter d1: 14.3 - 0.4 mm
 diameter d2: 5.2 - 0.5 mm
 height h1: 50.4 - 0.4 mm
 height h2: 1.7 - 0.5 mm
 weight: 15 ± 2 g



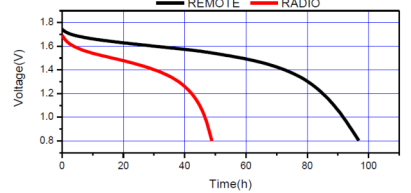
Temperature Effects on Capacity
 Constant current discharge



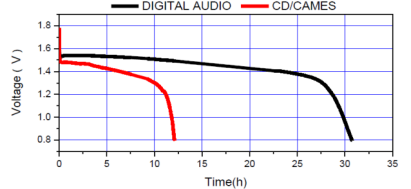
Discharge curve
 Constant current discharge



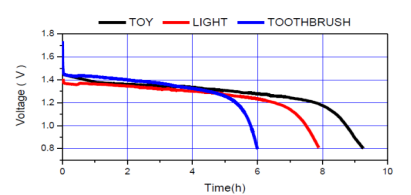
REMOTE RADIO
 43ohm 4hrs/day 24ohm 15sec/min 8hrs



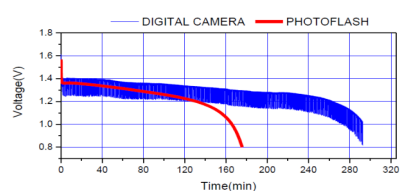
DIGITAL AUDIO CD/CAMES
 250mA 1hr/day 100mA 1hr/day



TOOTHBRUSH PORTABLE LIGHTING TOY
 500mA 2mm/13min 3.3ohm constant 3.9ohm 1hr/day



DIGITAL CAMERA PHOTOFLASH
 1.5W/0.65W/2S/28S 1KmA 10S/min 1hr/Day



	ANSMANN Specifications for model:	Lithium Extreme Battery AA - size
	data sheet no. / part no.	
	s.n.	701801
	author / date	TG / 29.05.2024

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View 1502-0001-XX on WIN SOURCE](#)
- [ANSMANN \(Huizhou\) Trading CO., LTD Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management