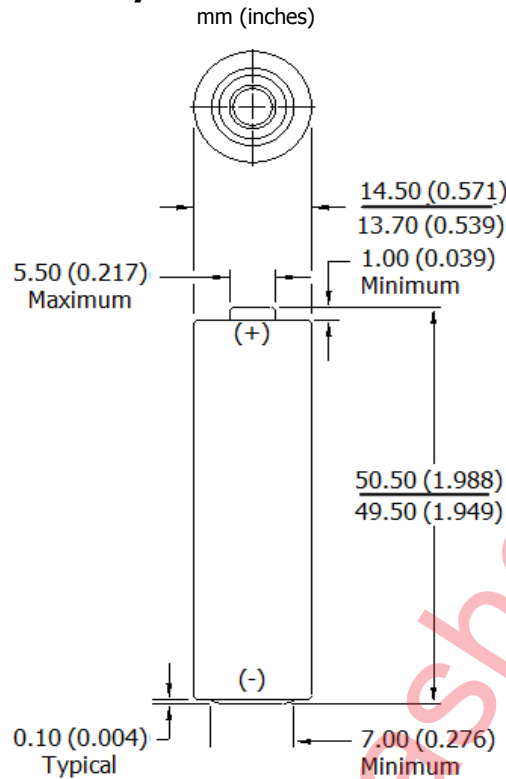


**ENERGIZER L91**  
Ultimate Lithium



**AA**

**Industry Standard Dimensions**



**Specifications**

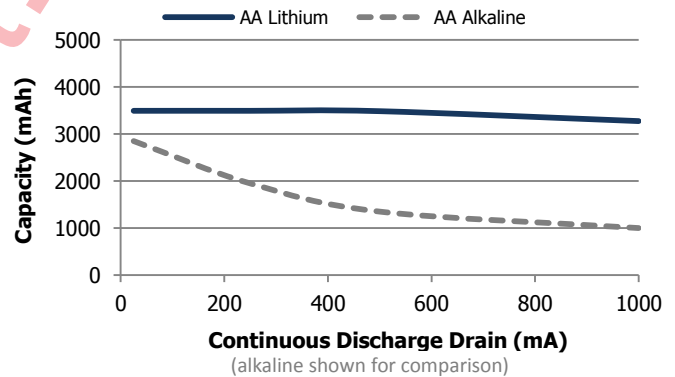
- Classification:** "Cylindrical Primary Lithium"
- Chemical System:** Lithium/Iron Disulfide (Li/FeS<sub>2</sub>)
- Designation:** ANSI 15-LF, IEC-FR14505 (FR6)
- Nominal Voltage:** 1.5 Volts
- Sizing Compatibility:** E91 NH15 1215
- Storage Temp:** -40°C to 60°C (-40°F to 140°F)
- Operating Temp:** -40°C to 60°C (-40°F to 140°F)\*
- Typical Weight:** 15 grams (0.5 oz.)
- Typical Volume:** 8.0 cubic centimeters (0.49 cubic inch)
- Max Discharge:** 2.5 amps continuous  
(single battery only)
- Lithium Content:** 4.0 amps pulse (2 sec on / 8 sec off)
- Typical IR:** Less than 1 gram
- Shelf Life:** 120 to 240 milliohms (depending on method)
- More Details:** 20 years at 21°C
- Shipping:** On-Line Catalog-Application Manual (Li/FeS<sub>2</sub>)
- Certifications:** Please refer to PSDS Document



\*All data shown tested at 21°C unless otherwise stated.

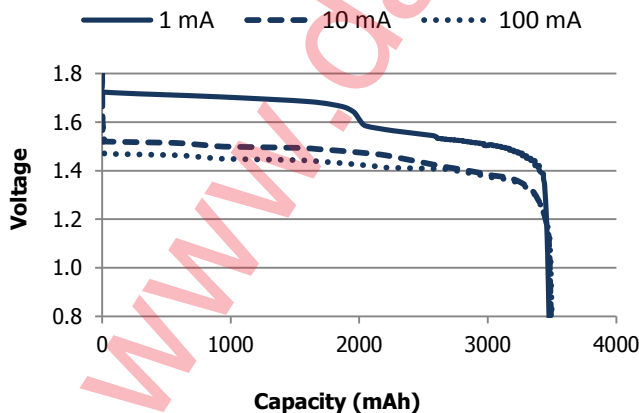
**Milliamp-Hours Capacity**

Constant Current Discharge to 0.8 Volts



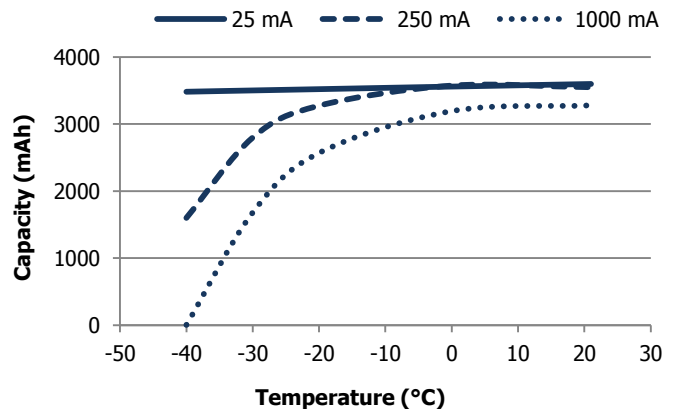
**Discharge Profile**

Constant Current Discharge



**Temperature Effects on Capacity**

Constant Current Discharge



**Important Notice**

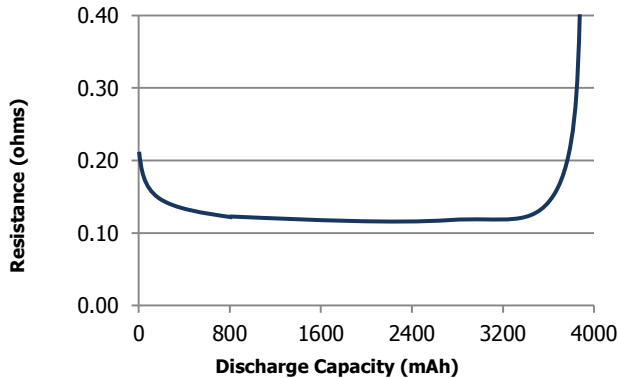
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# ENERGIZER L91

**AA**

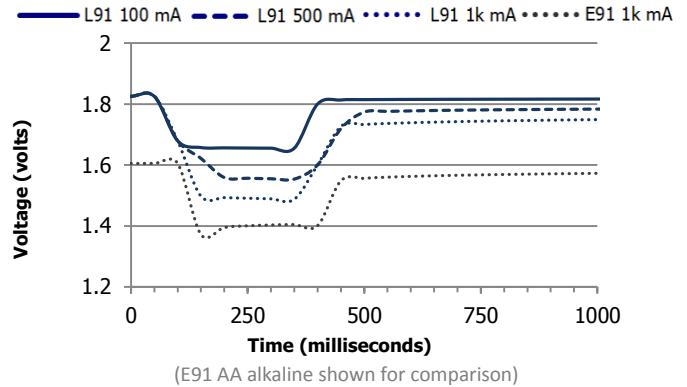
## Internal Resistance Profile

Cell Ohmic Resistance - Dual Pulse Method



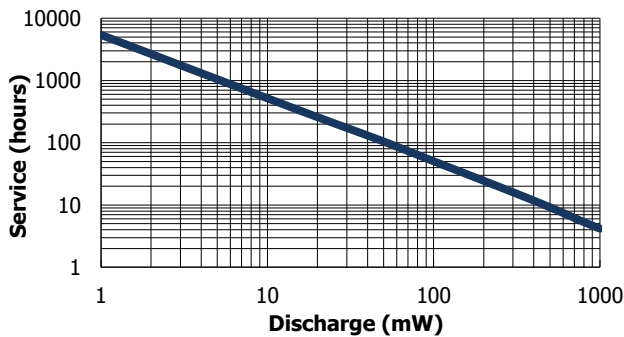
## Pulse Response

Open Circuit Voltage - 100/500/1k mA Pulse



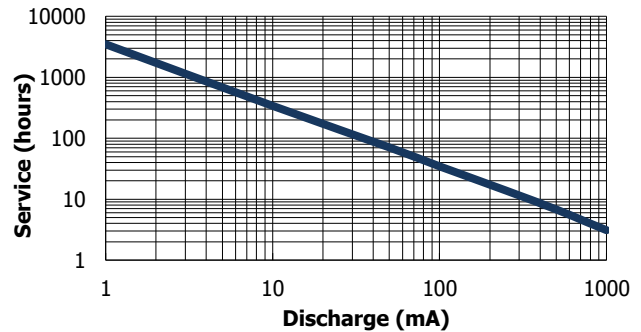
## Constant Power Performance

Typical Characteristics to 0.8 Volts



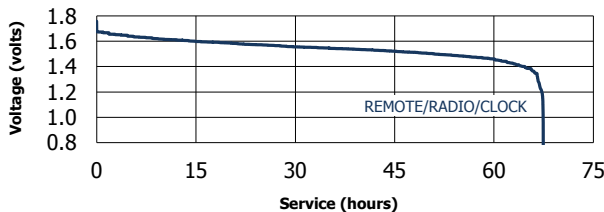
## Constant Current Performance

Typical Characteristics to 0.8 Volts



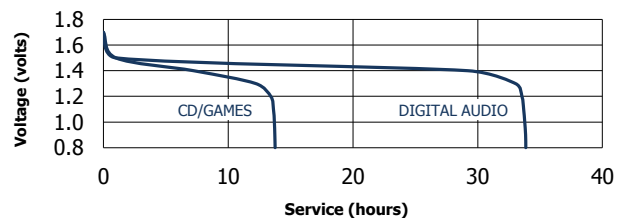
## Application Tests

REMOTE/RADIO /CLOCK  
50 mA 1 hr/8 hrs day



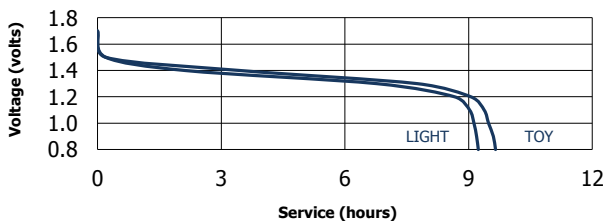
## Application Tests

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



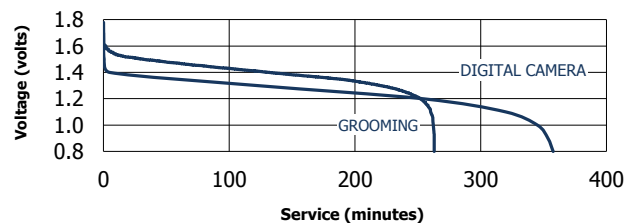
## Application Tests

PORTABLE LIGHTING 3.3 ohm LIF  
TOY 3.9 ohm 1 hr/day



## Industry Standard Tests

PERSONAL GROOMING 750 mA 2 min/hr 8 hrs/day  
DIGITAL CAMERA 1.5/.65K mW 2/.1/27.9s 10X



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