

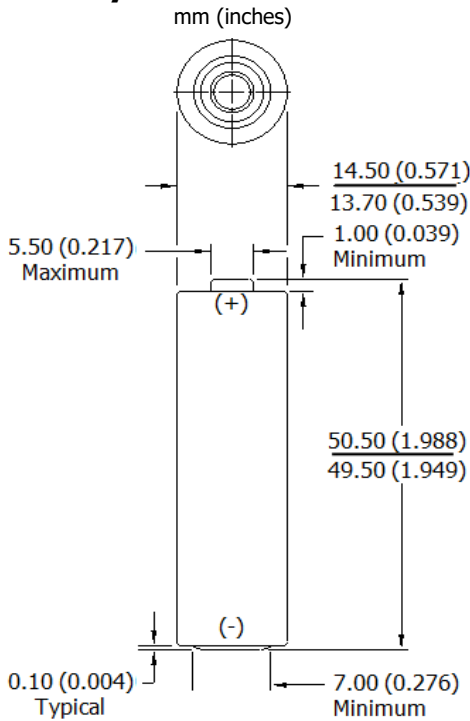
# ENERGIZER L91

Ultimate Lithium



**AA**

## Industry Standard Dimensions



Cells are tested against ANSI-19 C18.3M.

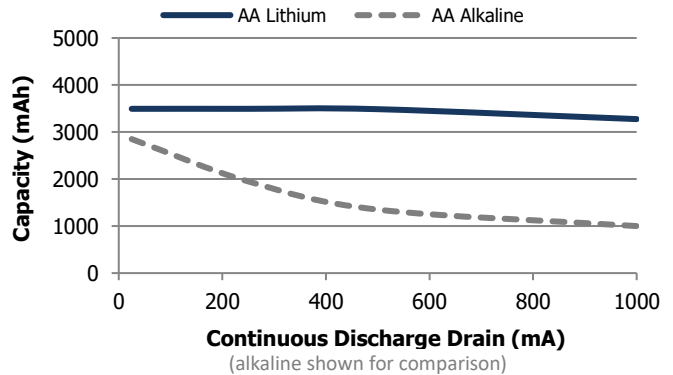
## Specifications

<b>Classification:</b>	"Cylindrical Primary Lithium"
<b>Chemical System:</b>	Lithium/Iron Disulfide (Li/FeS <sub>2</sub> )
<b>Designation:</b>	ANSI 15-LF, IEC-FR14505 (FR6)
<b>Nominal Voltage:</b>	1.5 Volts
<b>Sizing Compatibility:</b>	E91 NH15 1215
<b>Storage Temp:</b>	-40°C to 60°C (-40°F to 140°F)
<b>Operating Temp:</b>	-40°C to 60°C (-40°F to 140°F)*
<b>Typical Weight:</b>	15 grams (0.5 oz.)
<b>Typical Volume:</b>	8.0 cubic centimeters (0.49 cubic inch)
<b>Max Discharge:</b>	2.5 amps continuous
(single battery only)	4.0 amps pulse (2 sec on / 8 sec off)
<b>Lithium Content:</b>	Less than 1 gram
<b>Typical IR:</b>	120 to 240 milliohms (depending on method)
<b>Shelf Life:</b>	25 years at 21°C
<b>More Details:</b>	<a href="#">On-Line Catalog-Application Manual (Li/FeS<sub>2</sub>)</a>
<b>Shipping:</b>	Please refer to PSDS Document
<b>Certifications:</b>	

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

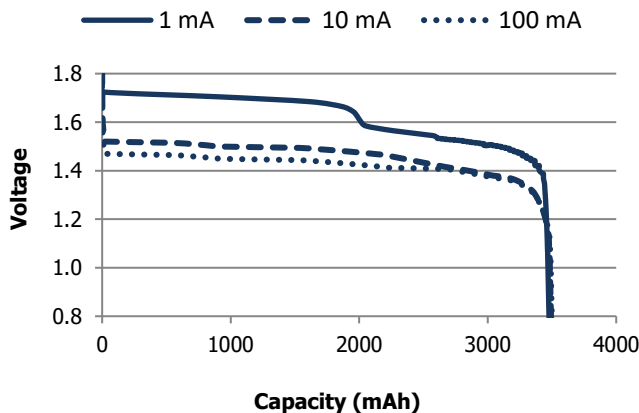
## Milliamp-Hours Capacity

Constant Current Discharge to 0.8 Volts



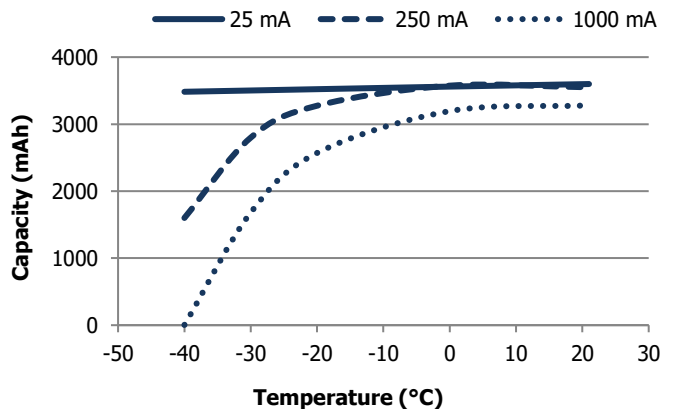
## Discharge Profile

Constant Current Discharge



## Temperature Effects on Capacity

Constant Current Discharge



### Important Notice

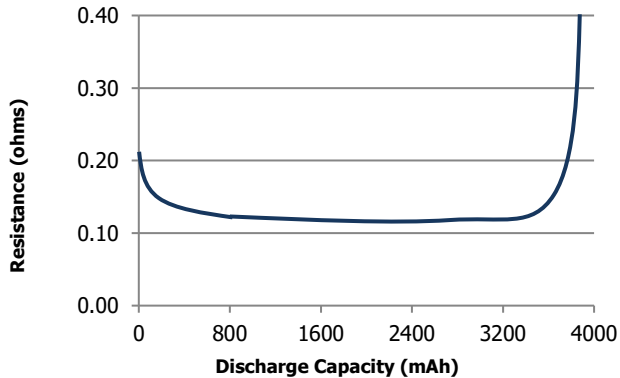
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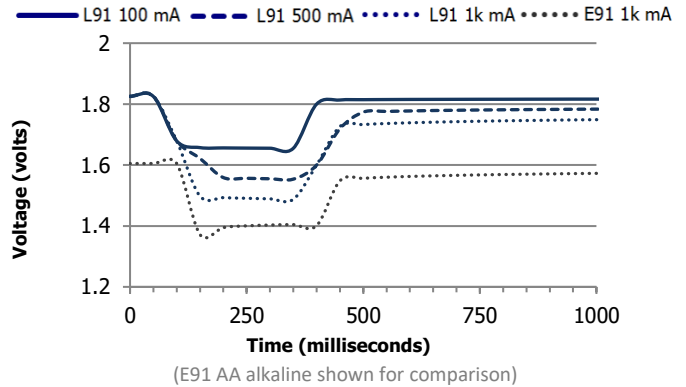
**Internal Resistance Profile**

Cell Ohmic Resistance - Dual Pulse Method



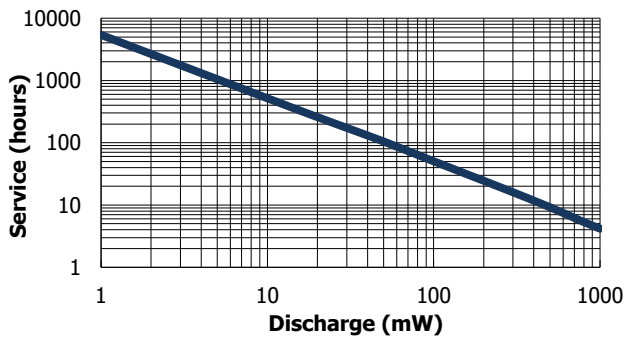
**Pulse Response**

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



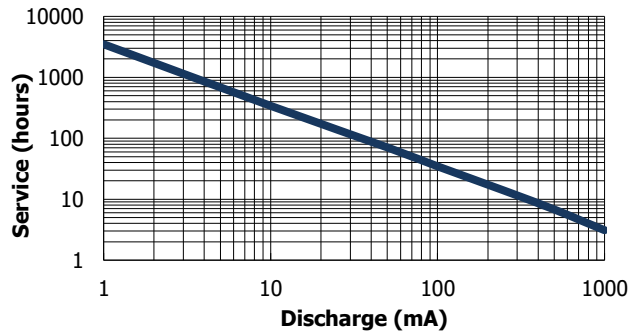
**Constant Power Performance**

Typical Characteristics to 0.8 Volts



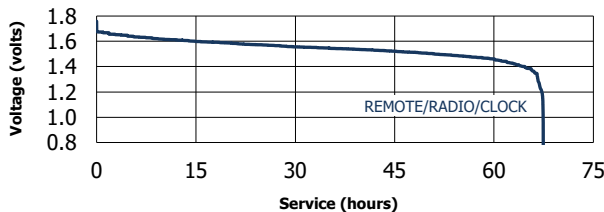
**Constant Current Performance**

Typical Characteristics to 0.8 Volts



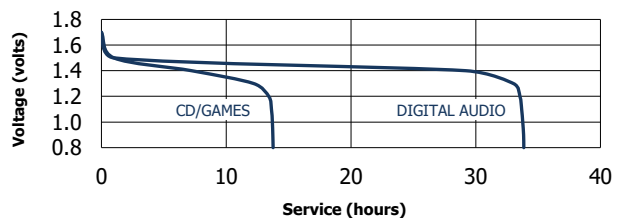
**Application Tests**

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



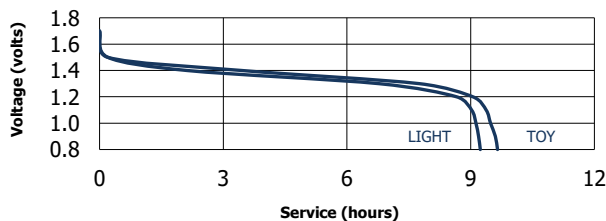
**Application Tests**

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



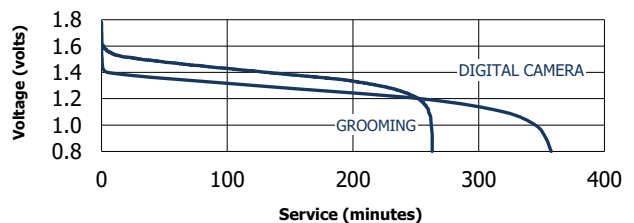
**Application Tests**

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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