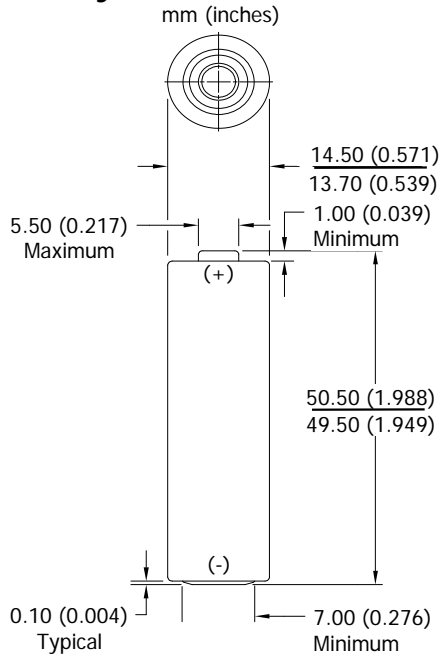


ENERGIZER L91 Ultimate Lithium



AA

Industry Standard Dimensions



Specifications

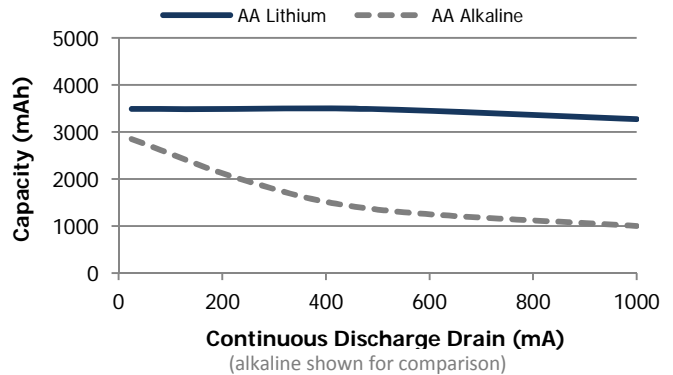
Classification:	"Cylindrical Primary Lithium"
Chemical System:	Lithium/Iron Disulfide (Li/FeS ₂)
Designation:	ANSI 15-LF, IEC-FR14505 (FR6)
Nominal Voltage:	1.5 Volts
Sizing Compatibility:	E91 NH15 1215
Storage Temp:	-40°C to 60°C (-40°F to 140°F)
Operating Temp:	-40°C to 60°C (-40°F to 140°F)*
Typical 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/FeS₂)
Certifications:	Please refer to PSDS Document



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

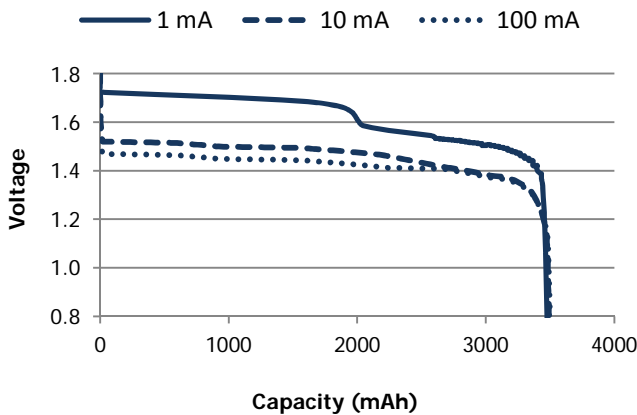
Milliamp-Hours Capacity

Constant Current Discharge to 0.8 Volts



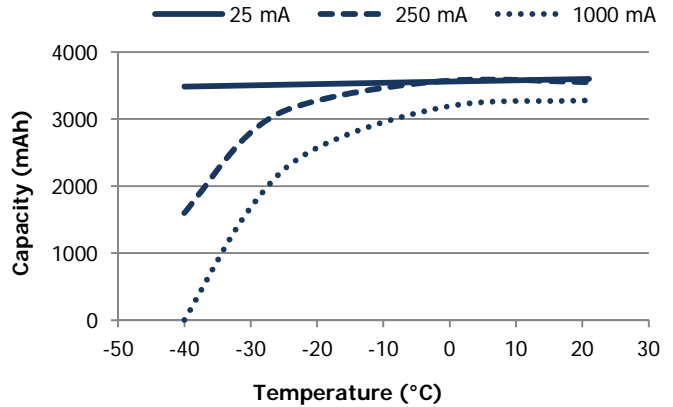
Discharge Profile

Constant Current Discharge



Temperature Effects on Capacity

Constant Current Discharge



Important Notice

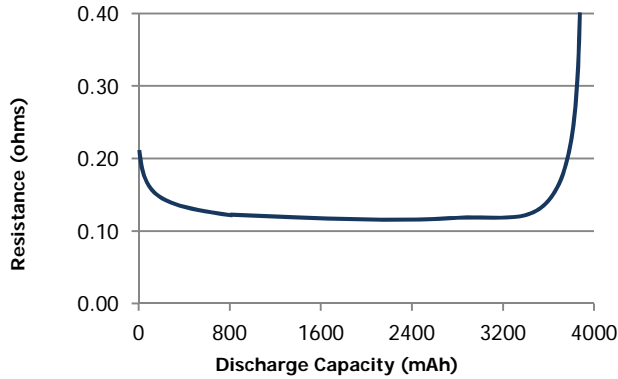
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ENERGIZER L91



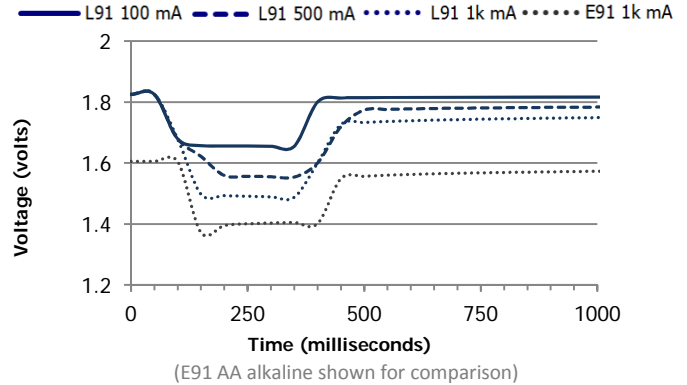
Internal Resistance Profile

Cell Ohmic Resistance - Dual Pulse Method



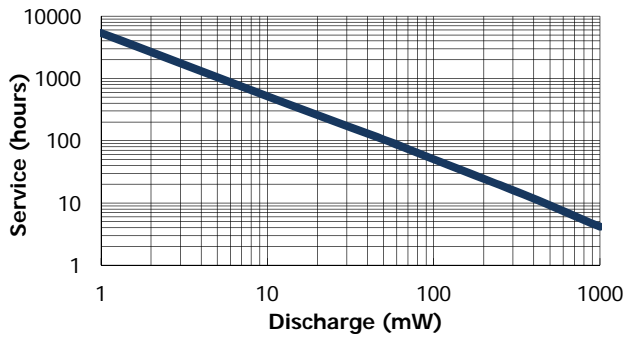
Pulse Response

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



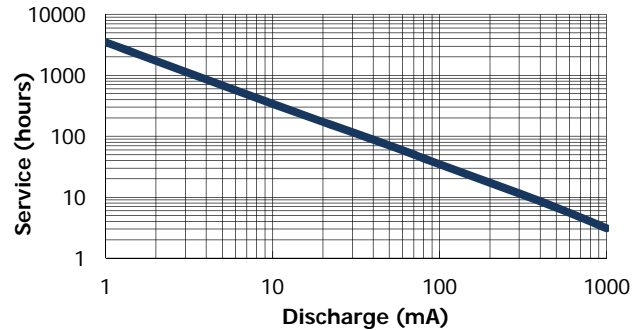
Constant Power Performance

Typical Characteristics to 0.8 Volts



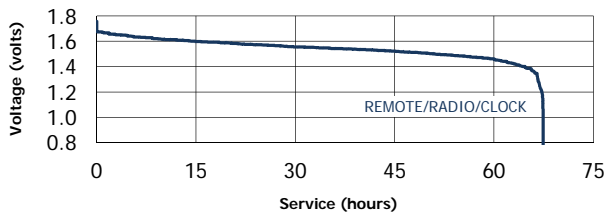
Constant Current Performance

Typical Characteristics to 0.8 Volts



Application Tests

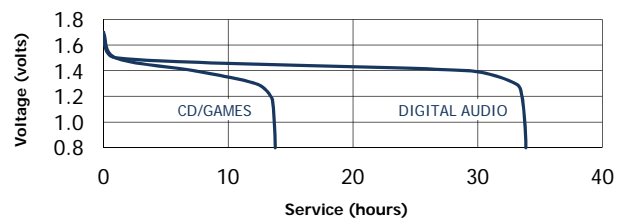
REMOTE/RADIO /CLOCK
 50 mA 1 hr/8 hrs day



Application Tests

CD/GAMES
 250 mA 1 hr/day

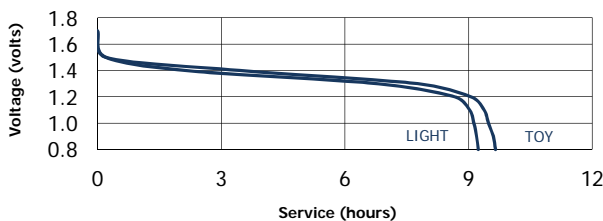
DIGITAL AUDIO
 100 mA 1 hr/day



Application Tests

PORTABLE LIGHTING
 3.3 ohm LIF

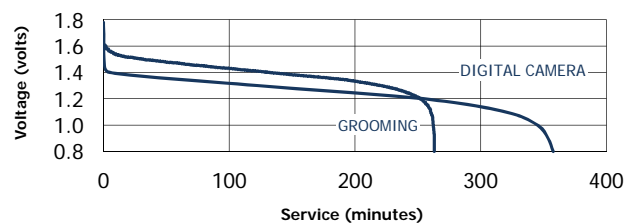
TOY
 3.9 ohm 1 hr/day



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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