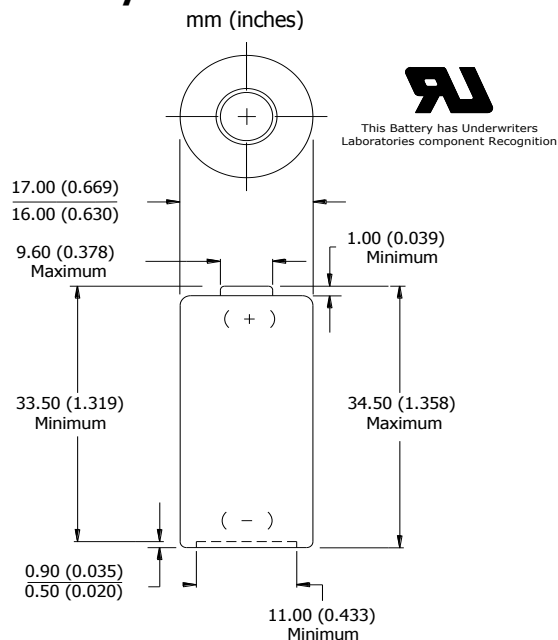


## ENERGIZER 123

(EL123AP)



### Industry Standard Dimensions

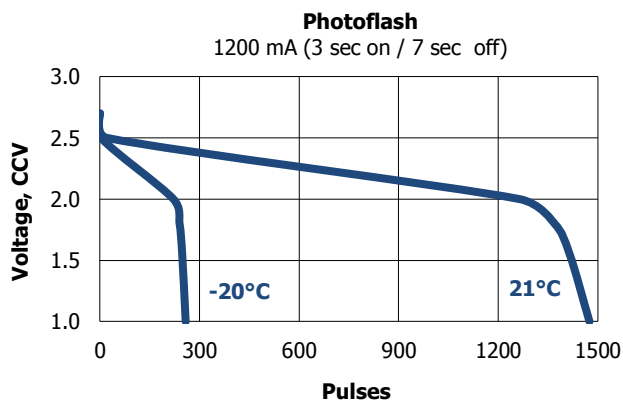
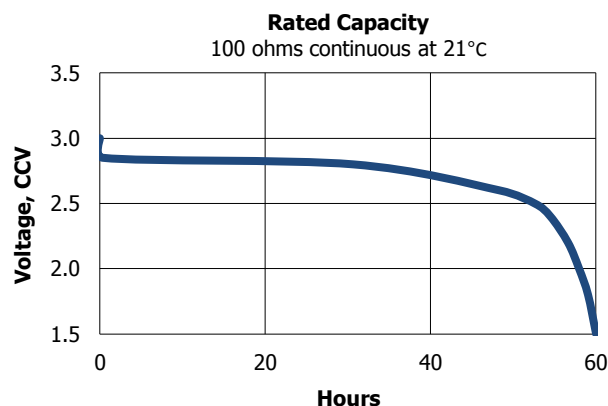


This battery contains a Positive Temperature Coefficient (PTC) safety device to limit current during short circuit conditions.

### Specifications

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| <b>Classification:</b>     | "Lithium"                                              |
| <b>Chemical System:</b>    | Lithium / Manganese Dioxide (Li/MnO <sub>2</sub> )     |
| <b>Designation:</b>        | ANSI-5018LC, IEC-CR17345                               |
| <b>Nominal Voltage:</b>    | 3.0 Volts                                              |
| <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 Capacity:</b>   | 1500 mAh (to 2.0 volts)<br>(Rated at 100 ohms at 21°C) |
| <b>Typical Weight:</b>     | 16.5 grams (0.58 oz.)                                  |
| <b>Typical Volume:</b>     | 7.0 cubic centimeters (0.4 cubic inch)                 |
| <b>Max Discharge:</b>      | 1500 mA continuous (3500 mA pulse)                     |
| <b>Max Rev Current:</b>    | 2 $\mu$ A                                              |
| <b>Typical Li Content:</b> | 0.55 grams (0.019 oz.)                                 |
| <b>UL Listed:</b>          | MH29980                                                |

### Typical Discharge Characteristics



### Simulated Application Tests

Typical Use Performance

| Type<br>(time)             | Drain<br>(mA) | Load<br>(ohms) | Cutoff Voltage         |                         |                          |
|----------------------------|---------------|----------------|------------------------|-------------------------|--------------------------|
|                            |               |                | 2.0V (21°C)<br>(hours) | 1.8V (21°C)<br>(pulses) | 1.55V (21°C)<br>(pulses) |
| Capacity<br>(continuous)   | ---           | 100            | 58                     | ---                     | ---                      |
| Photoflash<br>(3 / 27 sec) | 900           | ---            | ---                    | ---                     | 2000                     |
| Photoflash<br>(3 / 7 sec)  | 1200          | ---            | ---                    | 1370                    | ---                      |
| Photoflash<br>(3 / 7 sec)  | 1800          | ---            | ---                    | 860                     | ---                      |

### Important Notice

This datasheet contains typical information specific to products manufactured at the time of its publication.  
©Energizer Holdings, Inc. - Contents herein do not constitute a warranty.