

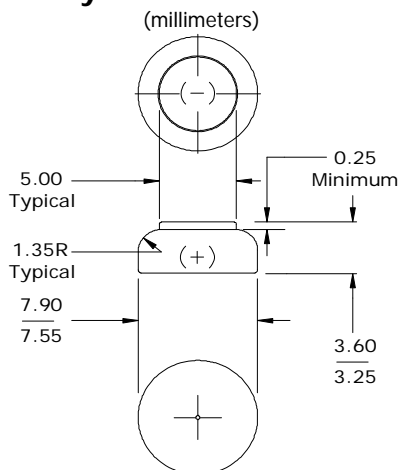
# ENERGIZER AC312E

Zinc Air



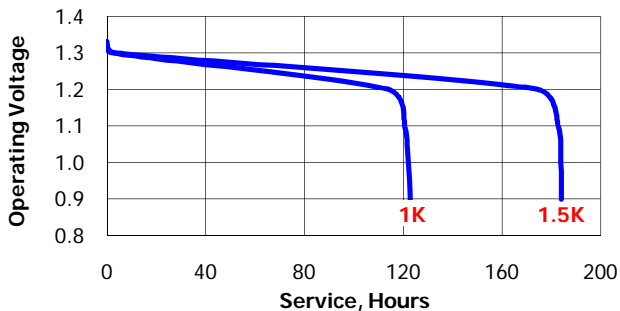
(top view) (bottom view)

## Industry Standard Dimensions



## Typical Discharge Characteristics

Schedule: 16 hours/day  
Typical Drain @ 1.3V:  
1.3 & 0.87 milliamperes  
Load: 1K & 1.5K ohms



## Simulated Application Test

Typical Performance at 21°C & 50% RH

Schedule:	Typical Drains: at 1.3V (milliamperes)	Load (ohms)	Cutoff 0.9V (hours)
16 Hours/Day	1.3	1,000	123
16 Hours/Day	0.87	1,500	184

## Specifications

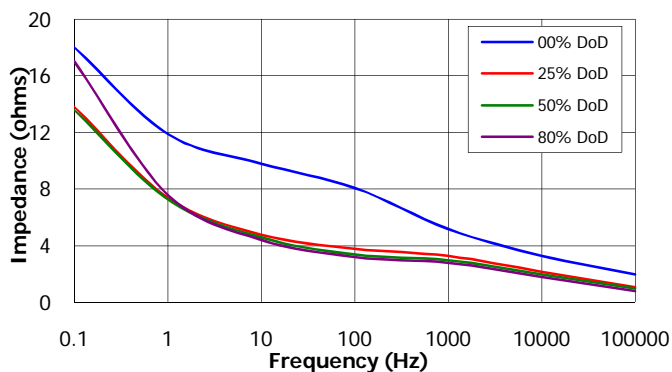
<b>Chemical System:</b>	Zinc Air (ZnO <sub>2</sub> )
<b>Tab Color:</b>	Brown
<b>Designation:</b>	IEC-PR41
<b>Nominal Voltage:</b>	1.4 Volts
<b>Typical Capacity:</b>	160 mAh (to 0.9 volts) (Rated at 1.5k ohms at 21°C/50% RH)
<b>Typical Weight:</b>	0.5 grams
<b>Typical Volume:</b>	0.2 cubic centimeters

## Impedance

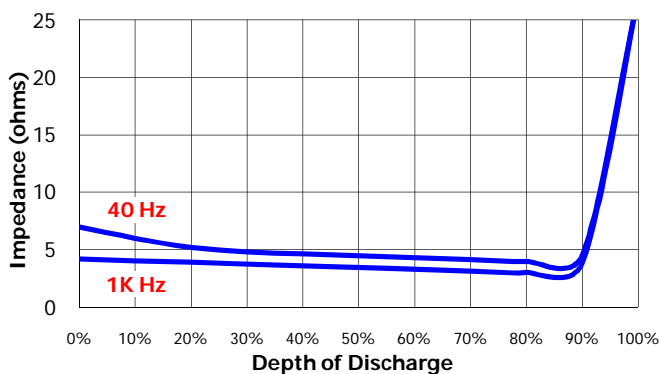
The total opposition that a battery offers to the flow of alternating current. Impedance is a combination of resistance and reactance.

The typical impedance of these cells on open circuit and during useful discharge varies from 5-20 ohms. This applies over a frequency range of 40-5,000 hertz at the current drains shown below.

### Impedance vs. Frequency



### Impedance vs. Depth of Discharge



## 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.