Energizer
Asia Pacific Region
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# ENERGIZER E13HH

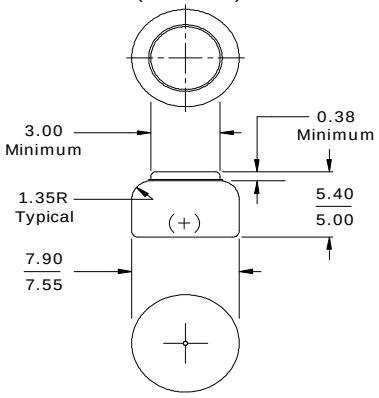
Specially designed for use in humid climatic conditions.

Zinc Air

(top view) (bottom view)

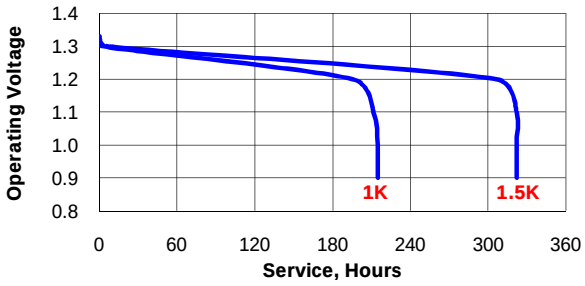
## Industry Standard Dimensions

(millimeters)




## 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 | 215 |
| 16 Hours/Day | 0.87 | 1,500 | 322 |

## Specifications

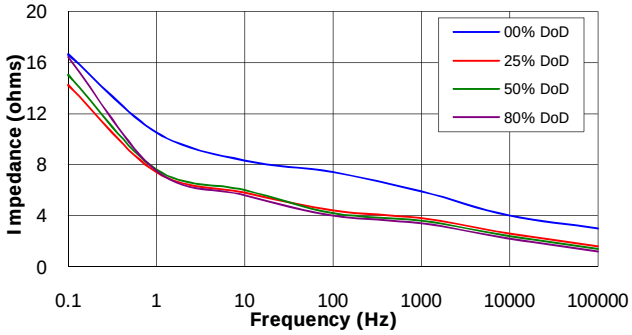
| | |
|---|---|
| **Chemical System:** | Zinc Air ($ZnO_2$) |
| **Tab Color:** | Orange |
| **Designation:** | IEC-PR48 |
| **Nominal Voltage:** | 1.4 Volts |
| **Typical Capacity:** | 280 mAh (to 0.9 volts) (Rated at 1.5k ohms at 21°C/65% RH) |
| **Typical Weight:** | 0.8 grams |
| **Typical Volume:** | 0.3 cubic centimeters |

## Impedance

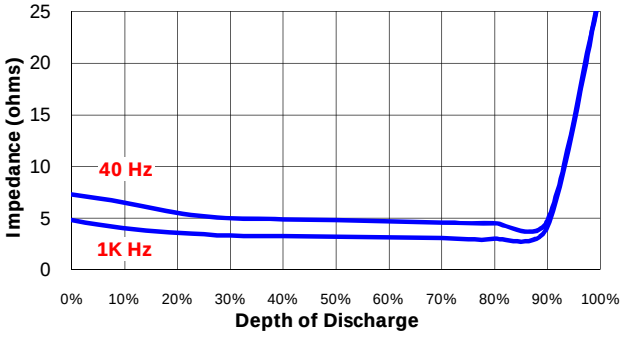
The total opposition that a battery offers to the flow of alternating current. Impedance is a combination of resistance and reactance.

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.