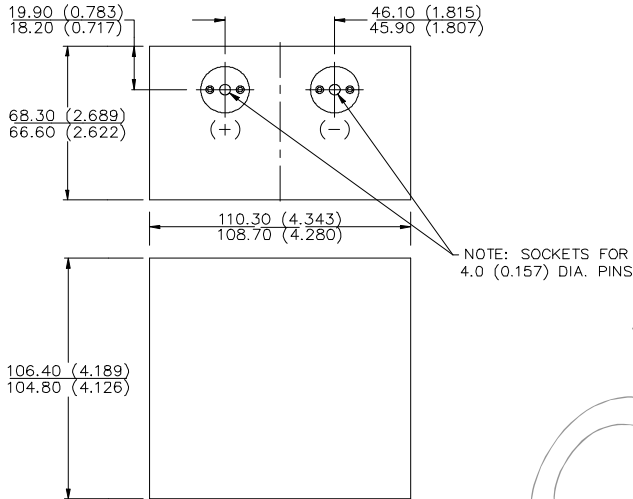


## ENERGIZER NO. 489



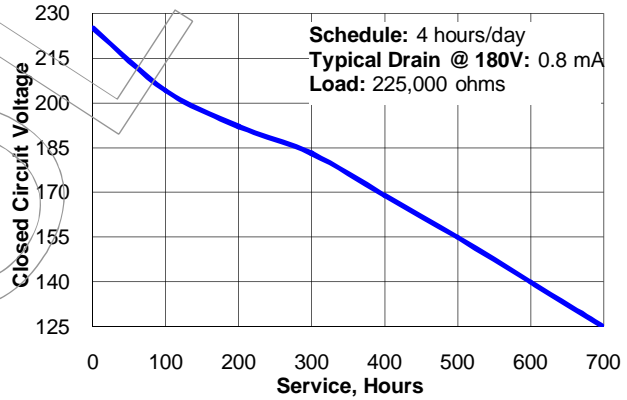
Industry Standard Dimensions in mm (inches)



**Chemical System:** Zinc-Manganese Dioxide (Zn/MnO<sub>2</sub>)

**Designation:** ANSI / NEDA-728, IEC-152F40  
**Battery Voltage:** 225 Volts  
**Average Weight:** 1,200 grams (42.5 oz.)  
**Volume:** 800 cubic centimeters (48.8 cubic inch)  
**Average Capacity:** 550 mAh to 0.8 volts/cell  
 (Rated at 25 mA continuous drain at 21°C)  
**Cells:** One Hundred Fifty Two No. 130 in series  
**Jacket:** Paper

**TYPICAL DISCHARGE CURVE**  
 Simulated Test @ 21°C (70°F)



**Simulated Application Test**  
 Estimated Average Service at 21°C (70°F)

Schedule:	Typical Drains at 180V (watt-second)	Load (ohms)	Cutoff Voltage	Seconds
Photoflash	100	Load for two No. 489 batteries in series is RC circuit utilizing 990 microfarad capacitor and 500 ohms resistor.	380V (Two batteries in series)	1,560

### Important Notice

This data sheet contains information specific to batteries manufactured at the time of its publication.

**Contents herein do not constitute a warranty.**

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