

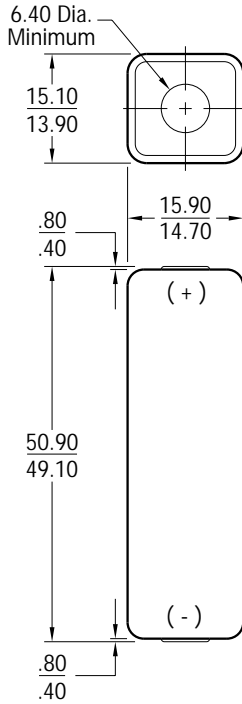


Eveready Battery Company, Inc.  
 Checkerboard Square  
 St. Louis, MO 63164  
 Telephone: 1-800-383-7323  
 Internet: www.energizer.com

## Engineering Data

### EVEREADY NO. 505

*Zinc Chloride 22.5V  
 No Added Mercury or Cadmium*



Dimensions (mm)

Millimeters	Inches
.40	.016
.80	.031
6.40	.252
13.90	.547
14.70	.579
15.10	.594
15.90	.626
49.10	1.933
50.90	2.004

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

**Designation:** ANSI-221, IEC-15F15

**Battery Voltage:** 22.5 Volts

**Average Weight:** 21.8 grams (0.8 oz.)

**Volume:** 12 cubic centimeters (0.7 cubic inch)

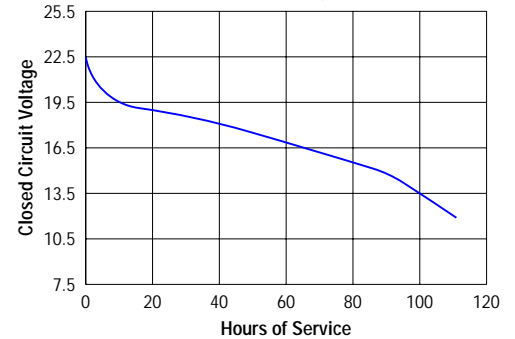
**Average Service Capacity ( to 0.8 Volt / cell ): 60 mAh**  
 ( Rated capacity at 25 mA continuous drain )

**Cells:** Fifteen No. 110 in series

**Jacket:** Metal

#### TYPICAL DISCHARGE CHARACTERISTICS

Schedule: 4 hours/day  
 Typical Drain @ 18V: 0.8 milliamperes  
 Load: 22,000 ohms



#### SIMULATED APPLICATION TESTS Estimated Average Service at 21°C (70°F)

Schedule	Typical Drains @ 18V (milliamperes)	Load (ohms)	CUTOFF VOLTAGE					
			12V	13.5V	15V	16.5V	18V	19.5V
hours								
12 hours / day	0.4	45,000	235	222	205	180	132	60
4 hours / day	0.8	22,000	110	100	88	64	42	10

**INTERNAL RESISTANCE VS TEMPERATURE** This measurement is an approximation of the battery's actual internal resistance. It is sensitive to the loads selected and operator technique.

**Schedule:** Background Load 377K ohms, Pulse Load 7,000 ohms, Pulse Duration 1 second.

Temperature	Typical Ri ( ohms )
45°C ( 113°F )	150
21°C ( 70°F )	220
0°C ( 32°F )	280
-20°C ( -4°F )	480

#### IMPORTANT NOTICE

This data sheet contains information specific to batteries manufactured at time of its publication. Please contact your Energizer representative for most current information. Contents herein do not constitute a warranty.