



North American Headquarters  
 601 Rayovac Drive  
 Madison, WI 53711  
 Telephone 1-800-331-4522  
 Internet [www.rayovac.com](http://www.rayovac.com)

Marketing Data Sheet - Batteries

S6600398  
 Issue A  
 Memo No: 13991

Rayovac Stock Number: **813FT**

Name: **813 Flat Top, Alkaline**

**ENGINEERING DATA:**

**Cell Chemistry:** Alkaline

**Designation:**  
 ANSI/IEC: Not standardized.

**Nominal Voltage:**  
 1.5 volts

**Approximate Weight:**  
 5.0 Oz (144 grams)

**Approximate Volume:**  
 3.4 cu. in. (55.7 cc)

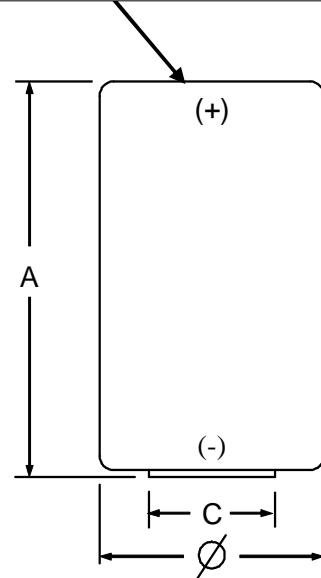
**Operating Temp. Range:**  
 -30° C to 55° C (-20° F to 130° F)

**Terminals:** Flat, nickel plated steel

**Shell:** Plastic Film

**Environmental:** Meets Environmental Protection Agency (EPA) Requirements For Landfill Disposal. No Mercury Added Formulation  
[Rayovac Material Safety Data Sheets](#)

Flat Positive terminal  
 24.2 – 27.9 mm diameter contact area



Dimension	Min (mm)	Max (mm)
A Overall Height	57.4	57.8
C Negative contact Diameter	23.8	24.3
Ø Outer Diameter	32.3	34.2

Service life guidelines and representative discharge curves are shown on the following page.

## TYPICAL INITIAL SERVICE AT 70°F (HOURS)

APPLICATION DUTY CYCLE	LOAD	CURRENT (mA at 1.2V)	CUTOFF VOLTAGE					mAh Capacity To 0.9V
			1.2V	1.1V	1.0V	0.9V	0.8V	
RADIO (4 HRS/DAY)	10 Ω	120	81	102	116	130	-	15,989
CD STEREO (2 HRS/DAY)	600 mA	600				18.4	-	12,100
FLASHLIGHT (4 MIN/HR-8 HR/DAY)	2.2 Ω	545	11.0	18.3	22.9	25.2	-	13,501
TOY/GAME (1 HR/DAY)	2.2 Ω	545	8.0	15.7	20.8	23.8	26.6	12,614
FLASHLIGHT (CONTINUOUS)	2.2 Ω	545	6.7	13.5	18.6	22.3	-	12,469
FLASHLIGHT K2 KRYPTON BULB (4 MIN/15 MIN-8 HR/DAY)	1.5 Ω	800	3.7	8.5	12.9	15.8	-	11,813

This data is subject to change. Performance information is typical. Contents herein do not constitute a warranty.

