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Marketing Data Sheet - Batteries

S6600172
 Issue T
 Memo No:

Rayovac Stock Number: **813, 813 BULK**

Name: **813 (D) Alkaline**

Engineering Parameters:

Cell Chemistry:

Alkaline Manganese Dioxide

Designation:

ANSI/NEDA – 13A (AA), IEC – LR20

Nominal Voltage:

1.5 volts

Approximate Weight:

5.0 Oz (144 grams)

Approximate Volume:

3.4 CU IN (56 cc)

Operating Temp. Range:

-30° C to 55° C (-20° F to 130° F)

Terminals: Flashlight

Shell: Plastic

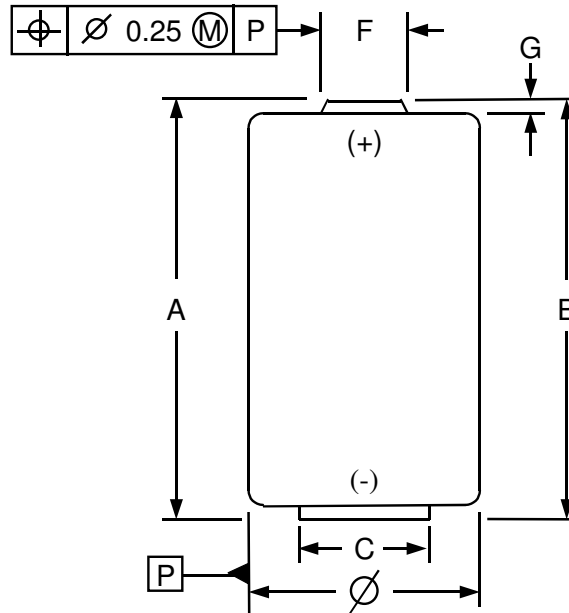
Environmental:

Meets Environmental Protection Agency (EPA)

Requirements For Landfill Disposal.

No Mercury Added Formulation

[Rayovac Material Safety Sheets](#)



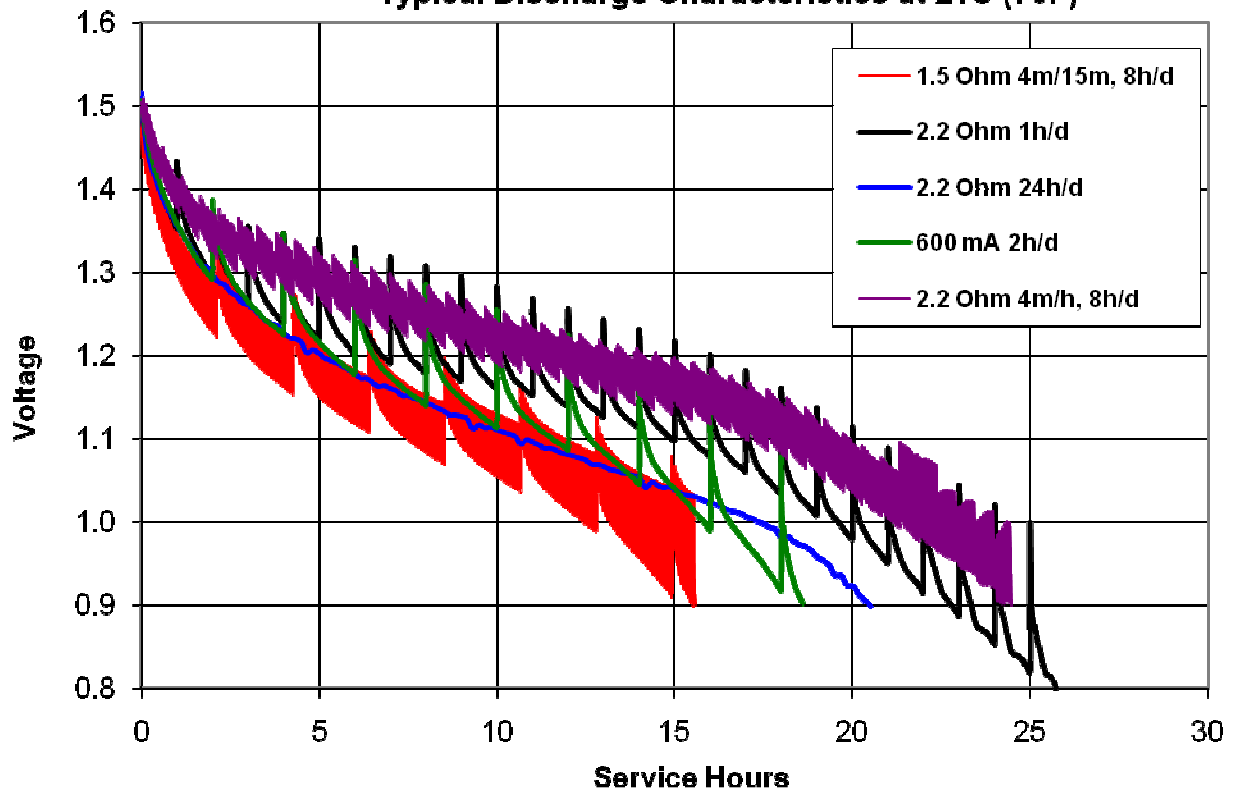
| Dimensions | Millimeters | Inches |
|------------|-------------|--------|
| A (Max) | 61.5 | 2.421 |
| B (Min) | 59.5 | 2.343 |
| C (Min) | 18.0 | 0.709 |
| E (Max) | 1.0 | 0.039 |
| F (Max) | 9.5 | 0.374 |
| G (Min) | 1.5 | 0.059 |
| Ø (Max) | 34.2 | 1.346 |
| Ø (Min) | 32.3 | 1.272 |

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

Typical Initial Service Life

| Application and Duty Cycle | Discharge Load | Midpoint Current (mA @ 1.2V) | Cut-off Voltage | Service | Units | Discharge Capacity (mAh) |
|---|----------------|------------------------------|-----------------|---------|-------|--------------------------|
| Lighting 4 min/15 min, 8hr/day | 1.5 Ω | 764 | 0.9 | 15.6 | hours | 11918 |
| Lighting 4 min/hr, 8hr/day | 2.2 Ω | 545 | 0.9 | 24.6 | hours | 13407 |
| Toy 1 hr/day | 2.2 Ω | 530 | 0.8 | 25.6 | hours | 13568 |
| Portable Stereo 2 hrs/day | 600 mA | 600 | 0.9 | 18.4 | hours | 11040 |
| Radio 4 hrs/day | 10 Ω | 126 | 0.9 | 129 | hours | 16254 |

Typical Discharge Characteristics at 21C (70F)



Typical Discharge Characteristics at 21C (70F) - Radio
Application: 10 Ohm 4 hrs/day

