

LR Micro Alkaline Batteries



Product list

| Model | Nominal Voltage (V) | Diameter (mm) | Height (mm) | Weight (g) |
|--------|---------------------|---------------|-------------|------------|
| LR44 | 1.5 | 11.6 | 5.40 | 2.0 |
| LR43 | 1.5 | 11.6 | 4.20 | 1.5 |
| LR1130 | 1.5 | 11.6 | 3.05 | 1.1 |
| LR1120 | 1.5 | 11.6 | 2.05 | 0.8 |
| LR41 | 1.5 | 7.9 | 3.60 | 0.6 |
| 4LR44 | 6.0 | 13.0 | 25.20 | 10.5 |

- Data and dimensions are reference values only. For further details, please contact your nearest Maxell office.

Micro Battery Replacement Guide

Compatible-battery cross-reference chart

- This chart lists Maxell's button- and coin-type batteries, along with the corresponding batteries of other brands.

- [HTML](http://www.maxell.com.hk/product/LR/micro_battery.html)
http://www.maxell.com.hk/product/LR/micro_battery.html

- [PDF](http://www.maxell.com.hk/product/LR/replacement_e.pdf)
http://www.maxell.com.hk/product/LR/replacement_e.pdf

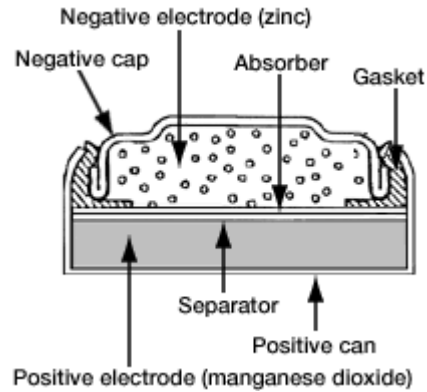
| System | Recommended Applications | Millimeters # x # | Inches # x # | Nominal Voltage (V) | Maxell | CORRESPONDING EQUIVALENT |
|------------|--------------------------|----------------------|-----------------|---------------------|----------|--------------------------|
| High Drain | | 11.6 x 6.0 | 0.457" x 0.231" | 1.88 | SR44SR | SR44 |
| | | 11.6 x 6.2 | 0.457" x 0.244" | 1.50 | SR44SR | SR44 |
| | | 11.6 x 3.05 | 0.457" x 0.120" | 1.50 | SR1130SR | SR11 |
| | | 11.6 x 2.05 | 0.457" x 0.081" | 1.88 | SR1120SR | SR11 |
| | | 11.6 x 1.95 | 0.457" x 0.076" | 1.50 | SR1119SR | SR11 |
| | | 9.8 x 5.8 | 0.386" x 0.228" | 1.50 | SR9SR | SR9 |
| | | 9.8 x 2.75 | 0.386" x 0.107" | 1.88 | SR302SR | SR30 |
| | | 9.8 x 2.25 | 0.386" x 0.091" | 1.50 | SR302SR | SR30 |
| | | 9.8 x 1.80 | 0.386" x 0.080" | 1.50 | SR302SR | SR30 |
| | | 7.9 x 5.8 | 0.311" x 0.228" | 1.88 | SR41SR | SR41 |
| | | 7.9 x 2.5 | 0.311" x 0.098" | 1.50 | SR27SR | SR27 |
| | | 7.9 x 1.88 | 0.311" x 0.080" | 1.88 | SR27SR | SR27 |

- Data and dimensions are just reference values. For further details, please contact us at your nearest Maxell office.
- Contents on this website are subject to change without notice.

Outline

The Maxell's LR battery is a compact, light and economical alkaline battery having a nominal voltage of 1.5V. The LR battery is less expensive than silver oxide batteries and usable with a wide variety of equipment, ranging from electronic calculators to electric toys. Based on many years of experience and know-how in the field of silver oxide batteries, the LR battery boasts high quality and high reliability.

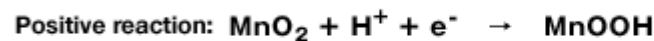
■ Cross-sectional diagram



■ Principle and reaction

The button-type alkaline battery uses manganese dioxide (MnO_2) as its positive active material and zinc (Zn) as its negative active material. Potassium hydroxide (KOH) is used as an electrolyte.

Battery Reactions



■ Features

- Excellent cost-performance
Unlike silver oxide batteries that use the precious metal, silver, the alkaline battery features good cost-performance because it uses low-cost manganese dioxide as its active material.
 - Superior leakage* resistance
Like silver oxide batteries, the LR battery is manufactured using the Maxell's original leak-resistant processing that suppresses the electrolyte from rising up and seeping out — a basic phenomenon of alkaline electrolytes.
 - Excellent heavy load characteristics
The LR battery offers excellent heavy load characteristics and employs a separator featuring low internal resistance, good liquid holding properties and high-drain characteristics.
- (* Leakage is defined as an unintended escape of liquid from a battery.)

Applications

Mini-game machines, electronic calculators, electronic clocks, electronic watches, measuring instruments, electronic lighters, electronic thermometers, cameras, compact radios, and various types of remote controllers, etc.

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For inquiries and orders, contact:

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