## DURACELL MN1203 (3LR12)



## Features

- Chemical System: Alkaline-Manganese Dioxide (Zn/MnO2)
- Replaces 3LR12, GP312A, V4012
- High voltage response, stable during most of the lifetime of the application
- Reliable Performance
- Wide operating temperature range
- Low self-discharge with long operating life ( $<10 \%$ after 1 year of storage at $+20^{\circ} \mathrm{C}$ )
- Excellent resistance to corrosion
- Designed to meet all major quality, safety and environment standards:
- Safety: IEC 60086-5
- Battery Directive 2006/66/EC
- RoHS and REACH compliance
- ISO 9001, Duracell World Class Continuous Program


## Typical applications

- Bicycle Torches
- Flashlights


## Operating conditions

- Operating temperature range
- Storage temperatures Recommended
$-10^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}$
$\left(14^{\circ} \mathrm{F}\right.$ to $140^{\circ} \mathrm{F}$ )
$5^{\circ} \mathrm{C}$ to $30^{\circ} \mathrm{C}$
( $41^{\circ} \mathrm{F}$ to $86^{\circ} \mathrm{F}$ )



## Electrical characteristics

- Nominal capacity (20 Ohm Cont., 2.4 V cut-off)
- Open circuit voltage (at $+20^{\circ} \mathrm{C}$ )


## Physical characteristics

- Typical weight

165g (5.82 oz.)
Delivered capacity is dependent on the applied load, operating temperature and cut-off voltage. Please refer to the charts and discharge data shown for examples of the energy/service life that the battery will provide for various load conditions

Continuous Discharge (Capacity)
20 Ohm to 2.4 V Cut-off


## DURACELL <br> BATTERIES

Berkshire Corporate Park Bethel, CT. 06801 U.S.A.
Telephone: Toll-free 1-800-544-5454 www.duracell.com

