



|                               |                                       |
|-------------------------------|---------------------------------------|
| Type Designation              | 4103                                  |
| Designation IEC               | LR03                                  |
| System                        | Zn-MnO <sub>2</sub> (Alkaline)        |
| Shelf Life (Coding)*          | 10 years                              |
| Nominal Voltage [V]           | 1.5                                   |
| Typical Capacity C [mAh]      | 1230 (discharge with high-resistance) |
| Permissible Temperature Range | - 10 °C ... 50 °C                     |
| Weight, approx. [g]           | 11,3                                  |
| Volume [ccm]                  | 3.5                                   |

Dimensions [mm]

min: max:

|   |      |      |
|---|------|------|
| Ø | 9.8  | 10.5 |
| A | -    | 44.5 |
| B | 43.5 | -    |
| C | 4.3  | -    |
| E | -    | 0.5  |
| F | -    | 3.8  |
| G | 0.8  | -    |



### Typical Capacities (at 20°C):

| Discharge Type    | Load  | End Voltage[V] | 0.9  |
|-------------------|-------|----------------|------|
| 1H/12H, 7D/W      | 50 mA | Time [h]       | 22,8 |
| Digital audio     |       | Capacity [mAh] | 1142 |
|                   |       | Energy [mWh]   | 1417 |
| Discharge Type    | Load  | End Voltage[V] | 1.0  |
| 15S/M, 8H/D, 7D/W | 24 Ω  | Time [h]       | 21,2 |
| Remote control    |       | Capacity [mAh] | 1100 |
|                   |       | Energy [mWh]   | 1395 |
| Discharge Type    | Load  | End Voltage[V] | 0.9  |
| 4M/H, 8H/D, 7D/W  | 5,1 Ω | Time [min]     | 248  |
| Portable lighting |       | Capacity [mAh] | 985  |
|                   |       | Energy [mWh]   | 1160 |

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\* In consideration of typical loss of capacity at storage and application.