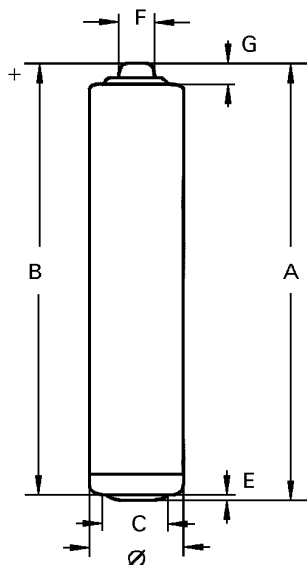


|                               |                                       |
|-------------------------------|---------------------------------------|
| Type Designation              | 4003                                  |
| Designation IEC               | LR03                                  |
| System                        | Zn-MnO <sub>2</sub> (Alkaline)        |
| Shelf Life (Coding)*          | 5 years                               |
| Nominal Voltage [V]           | 1.5                                   |
| Typical Capacity C [mAh]      | 1100 (discharge with high-resistance) |
| Permissible Temperature Range | - 10 °C ... 50 °C                     |
| Weight, approx. [g]           | 11                                    |
| Volume [ccm]                  | 3.8                                   |



| Dimensions [mm] | min: | max: |
|-----------------|------|------|
| Ø               | 9.5  | 10.5 |
| A               | -    | 44.5 |
| B               | 43.3 | -    |
| C               | 4.3  | -    |
| E               | -    | 0.5  |
| F               | -    | 3.8  |
| G               | 0.8  | -    |

### Typical Capacities (at 20°C):

| Discharge Type                                | Load   | End Voltage[V] | 1.0   | 0.9   |
|---|--------|----------------|-------|-------|
| 10S/M, 1H/D, 7D/W                             | 600 mA | Cycles [c]     | 194   | 228   |
| Photo Flash                                   |        | Capacity [mAh] | 320   | 375   |
|   |        | Energy [mWh]   | 410   | 455   |
|   |        |                |       |       |
| Discharge Type                                | Load   | End Voltage[V] | 1.0   | 0.9   |
| 4M/H, 8H/D, 7D/W                              | 5.1 Ω  | Time [m]       | 169   | 199   |
| Portable Lighting                             |        | Capacity [mAh] | 663   | 771   |
|   |        | Energy [mWh]   | 812   | 925   |
|   |        |                |       |       |
| Discharge Type                                | Load   | End Voltage[V] | 1.0   | 0.9   |
| 1H/D, 7D/W                                    | 10 Ω   | Time [h]       | 6.56  | 6.99  |
| Personal Cassette Players /<br>Tape Recorders |        | Capacity [Ah]  | 0.78  | 0.85  |
|   |        | Energy [Wh]    | 0.95  | 1.01  |
|   |        |                |       |       |
| Discharge Type                                | Load   | End Voltage[V] | 1.0   | 0.9   |
| 4H/D, 7D/W                                    | 75 Ω   | Time [h]       | 55.56 | 57.95 |
| Transistor Radios                             |        | Capacity [Ah]  | 0.92  | 1.05  |
|   |        | Energy [Wh]    | 1.21  | 1.25  |
|   |        |                |       |       |

**No publication or circulation of data to third parties without consent of VARTA Consumer Batteries**

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