



|                               |                                       |
|-------------------------------|---------------------------------------|
| 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]      | 1220 (discharge with high-resistance) |
| Permissible Temperature Range | - 10 °C ... 50 °C                     |
| Weight, approx. [g]           | 11                                    |
| Volume [ccm]                  | 3.8                                   |
| Specific Energy [Wh/kg]       | 136                                   |

## 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] | 1.1   | 1.0   |
|-----------------------------|-------|----------------|-------|-------|
| 15S/M,8H/D,7D/W             | 24 Ω  | Time [h]       | 17,88 | 20,15 |
| Personal recorder           |       | Capacity [mAh] | 962   | 1068  |
|                             |       | Energy [mWh]   | 1256  | 1369  |
| Discharge Type              | Load  | End Voltage[V] | 1.0   | 0.9   |
| 4M/H,8H/D,7D/W              | 5.1 Ω | Time [h]       | 3.51  | 4.02  |
| Portable Lighting           |       | Capacity [mAh] | 840   | 956   |
|                             |       | Energy [mWh]   | 1033  | 1151  |
| Discharge Type              | Load  | End Voltage[V] | 1.0   | 0.9   |
| 1H/D,7D/W                   | 10 Ω  | Time [h]       | 7.74  | 8.70  |
| Personal Cassette Players / |       | Capacity [mAh] | 937   | 1028  |
| Tape Recorders              |       | Energy [mWh]   | 1144  | 1232  |
| Discharge Type              | Load  | End Voltage[V] | 1.0   | 0.9   |
| 4H/D,7D/W                   | 75 Ω  | Time [h]       | 66.23 | 70.52 |
| Transistor Radios           |       | Capacity [mAh] | 1126  | 1188  |
|                             |       | Energy [mWh]   | 1448  | 1500  |

**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.