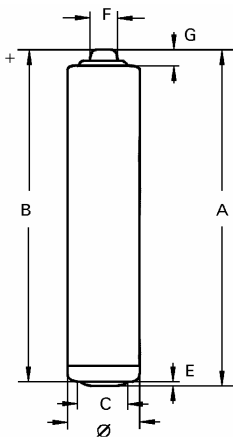


Type Designation	4003
Designation IEC	LR03
System	Zn-MnO <sub>2</sub> (Alkaline)
Shelf Life (Coding)*	5 years
Nominal Voltage [V]	1.5
Typical Capacity C [mAh]	1220 (discharge with high-resistance)
Permissible Temperature Range	- 10 °C ... 50 °C
Weight, approx. [g]	11
Volume [ccm]	3.8
Specific Energy [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.