

Primary Alkaline Manganese Cylindrical

Data Sheet

Type number	4103
Designation IEC System	LR03 Zn-MnO ₂ (Alkaline)
Shelf Life (Coding)*	7 years
Nominal Voltage [V]	1.5
Typical Capacity C [mAh]	1.200 (discharge with high-resistance)
Operating temperature:	- 20°C to 54°C (45 % - 85 % RH)
Storage temperature:	- 30°C to 45°C (45 % - 85 % RH)
Weight, approx. [g]	11
Volume [ccm]	3.8
Dimensions [mm]	

Typical Capacities (at 20°C)

Discharge Type	Load	End Voltage [V]	0.9
4 M/H, 8 H/D, 7 D/W	5.1 Ω	Time [m]	220
Portable Lighting			
Discharge Type	Load	End Voltage [V]	0.9
1 H/D, 7 D/W	10 Ω	Time [m]	480
Tape Recorders			
Discharge Type	Load	End Voltage [V]	0.9
4 H/D, 7 D/W	75 Ω	Time [h]	72.5
Transistor Radios			

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