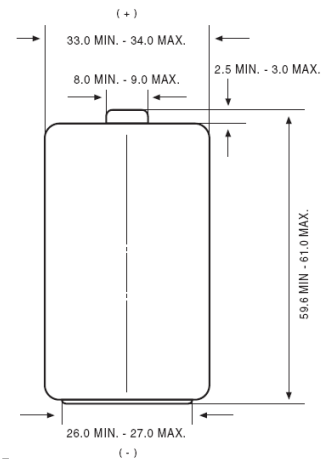


Primary Alkaline Manganese Cylindrical

Data Sheet

Type number	4120
Designation IEC System	LR20 Zn-MnO ₂ (Alkaline)
Shelf Life (Coding)*	7 years
Nominal Voltage [V]	1.5
Typical Capacity C [mAh]	16.500 (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]	141
Volume [ccm]	51.3
Dimensions [mm]	



Typical Capacities (at 20°C)

Discharge Type	Load	End Voltage [V]	0.9
4 M/H, 8 H/D, 7 D/W	2.2 Ω	Time [h]	21.5

Portable Lighting

Discharge Type	Load	End Voltage [V]	0.8
1 H/D, 7 D/W	2.2 Ω	Time [h]	24

Toys

Discharge Type	Load	End Voltage [V]	0.9
4 H/D, 7 D/W	10 Ω	Time [h]	125

Transistor Radios

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