



Type Designation	4020
Designation IEC	LR20
System	Zn-MnO ₂ (Alkaline)
Shelf Life (Coding)*	5 years
Nominal Voltage [V]	1.5
Typical Capacity C [mAh]	17000 (discharge with high-resistance)
Permissible Temperature Range	- 20 °C ... 50 °C
Weight, approx. [g]	138
Volume [ccm]	51.3

Dimensions [mm]	min:	max:
∅	32.3	34.2
A	-	61.5
B	59.5	-
C	18.0	-
E	-	1.0
F	-	9.5
G	1.5	-

Typical Capacities (at 20°C)



Discharge Type	Load	End Voltage[V]	0.9
4M/15M,8H/D,7D/W	1.5 Ω	Time [h]	14,9
Portable lighting (2)		Capacity [Ah]	11,2
		Energy [Wh]	12,6
Discharge Type	Load	End Voltage[V]	0.9
4M/H,8H/D,7D/W	2.2 Ω	Time [h]	25,9
Portable lighting (1)		Capacity [Ah]	13,4
		Energy [Wh]	15,3
Discharge Type	Load	End Voltage[V]	0.8
1H/D,7D/W	2.2 Ω	Time [h]	29,4
Toy		Capacity [Ah]	14,3
		Energy [Wh]	15,8
Discharge Type	Load	End Voltage[V]	0.9
2H/D,7D/W	600 mA	Time [h]	16,4
Portable stereo		Capacity [Ah]	10,1
		Energy [Wh]	11,2
Discharge Type	Load	End Voltage[V]	0.9
4H/D,7D/W	10 Ω	Time [h]	134,4
Radio		Capacity [Ah]	16,2
		Energy [Wh]	19,1

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