



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	- 10 °C ... 50 °C
Weight, approx. [g]	139
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]	1.0	0.9
4M/15M,8H/D,7D/W	1.5 Ω	Time [h]	11,61	15,8
Portable lighting (2)		Capacity [Ah]	8,98	11,75
		Energy [Wh]	10,49	13,28
Discharge Type	Load	End Voltage[V]	1.0	0.9
4M/H,8H/D,7D/W	2.2 Ω	Time [h]	21,12	26,7
Portable lighting (1)		Capacity [Ah]	11,42	14,00
		Energy [Wh]	13,66	16,31
Discharge Type	Load	End Voltage[V]	0.9	0.8
1H/D,7D/W	2.2 Ω	Time [h]	25,53	29,2
Toy		Capacity [Ah]	12,81	14,28
		Energy [Wh]	14,28	15,78
Discharge Type	Load	End Voltage[V]	1.0	0.9
2H/D,7D/W	600 mA	Time [h]	13,52	16,5
Portable stereo		Capacity [Ah]	8,10	9,95
		Energy [Wh]	9,73	11,02
Discharge Type	Load	End Voltage[V]	1.0	0.9
4H/D,7D/W	10 Ω	Time [h]	123,72	134,5
Radio		Capacity [Ah]	15,24	16,30
		Energy [Wh]	18,98	20,01

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