

**battery type:** Alkaline Manganese (Mercury free)  
**battery size:** IEC: 6LR61; JIS: 6AM6; ANSI: E; MN1604; 9V-Block  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**nominal voltage:** 9 V  
**open circuit voltage:** 9.2...9.8 V new battery  
 9.0...9.6 V after 1 year storage at 20°C

**Conditions**

all measurements at 20°C ambient  
**capacity rated:** 700 mAh discharge at 620ohms load; 2h/day  
 End Voltage (EV): 5.4V  
 680 mAh discharge at 10mA load; 24h/d  
 End Voltage (EV): 5.4V  
 minimum: 14.5 h discharge at 35mA load; 24h/day  
 (for IQC measurement) End Voltage (EV): 5.4V

**typical service output**

Load		35mA	270Ω	620Ω	Background <sup>3</sup> : 10 000Ω Pulse:620Ω
Test mode		24h/d	1h/d	2h/d	24h 1 s per h
End voltage		5.4V	5.4V	5.4V	7.5V
Unit		h	h	h	d
Applications		Reference	Toy	Radio	Smoke detector
Initial	MAD	14.5	21.0	51.0	20.5
	Normal	17.0	23.5	55.0	23.0
Stored 1 year	MAD	13.5	20.0	49.0	19.0
	Normal	15.5	21.5	52.0	21.0

m: minute h: hour d: day

**internal resistance:** ≤ 4 Ω at 1kHz, sine wave measurement  
 (new battery)

**shelf life:** 7 years under proper storage conditions

**leakage resistance**  
 over discharge: no leakage 180ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%  
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

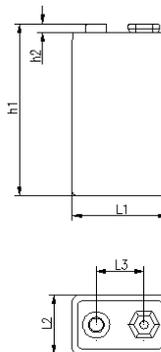
**ambient temperature range:** - 10...50 °C

recommended storage conditions: 5...25 °C ambient temperature  
 45...75 % rel. humidity

**mechanical specifications**

cell dimensions

length L1: 26.5 -2 mm  
 length L2: 17.5 -2 mm  
 length L3: 12.7 ± 0.25 mm  
 height h1: 48.5 -2 mm  
 weight: 45 ± 3 g



	<b>ANSMANN Specifications for model:</b>	<b>Premium Quality Alkaline Battery 9V E-block</b>
	data sheet no. / part no.	
	s.n.	701381
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