

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: 6LR61; JIS: 6AM6; ANSI: E; MN1604; 9V-Block
chemical system: Zn / KOH-H₂O / MnO₂

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

capacity
 rated:
 640 mAh discharge at 620ohms load; 2h/day
 End Voltage (EV): 5.4V
 600 mAh discharge at 10mA load; 24h/d
 End Voltage (EV): 5.4V
 minimum:
 (for IQC measurement) 48.2 h discharge at 620ohms load; 24h/day
 End Voltage (EV): 5.4V

typical service output

Discharge Condition			IEC60086-2: 2015 Standard	Discharge Time			
Load	Test mode	End Voltage		Initial		After 1 year at 20±2°C	
				MAD	Normal	MAD	Normal
620Ω	2h/d	5.4V	33.0h	48.0h	51.8h	43.5h	48.0h
270Ω	1h/d	5.4V	12.0h	20.0h	21.5h	18.1h	20.0h
620Ω reference	24h/d	5.4V	/	48.2h	52.0h	43.7h	48.2h
Remarks	<ul style="list-style-type: none"> • MAD- Minimum Average Discharge h- hour d-day • Actual performance for each lot perhaps will be slightly different with normal performance. 						

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

shelf life: 7 years under proper storage conditions

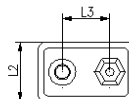
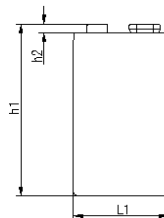
leakage resistance
 over discharge: no leakage 180ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

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



	ANSMANN Specifications for model:	Super Quality Alkaline Battery 9V E-block
	data sheet no. / part no.	
	s.n.	704413
	author / date	TG / 03.07.2019