

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...9.8 V after 1 year storage at 20°C

capacity rated: 550 mAh all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 5.4V

minimum: 525 mAh discharge at 10mA constant current
 End Voltage (EV): 5.4V

475 mAh discharge at 50mA constant current
 End Voltage (EV): 5.4V

typical service output MAD (new batteries)

≥ 14 h discharge at 35mA constant current; EV: 5.4V
 discharge 24h/d

≥ 18 h discharge at 270Ω resistive load; EV: 5.4V
 discharge 1h/d

≥ 43 h discharge at 620Ω resistive load; EV: 5.4V
 discharge 2h/d

≥ 18 d discharge at 10KΩ resistive load (continuous); additional pulse load
 at 620Ω for 1s/h; EV: 7.5V

internal resistance: ≤ 4 Ω at 1kHz, sine wave measurement
 full 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%

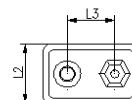
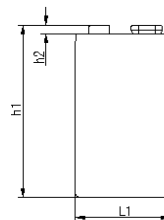
ambient temperature range: - 10...50 °C


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:	Alkaline battery Redline 9V E-block
	data sheet no. / part no.	
	supplier no.	703385
	author / date	TG / 13.09.2018