

battery type: Lithium - Manganese-Dioxide
battery size: IEC: 6AM6; ANSI: 1604LC; LA522; 9V-Block
chemical system: Li-MnO₂

Conditions

nominal voltage: 9 V
open circuit voltage: 9.3...10.2 V new battery
 9.3...10.2 V after 1 year storage at 20°C

capacity
 rated: 800 mAh all measurements at 23°C ambient
 discharge at 10mA load; 24h/d
 End Voltage (EV): 5.4V
 minimum: 750 mAh discharge at 10mA load; 24h/d
 End Voltage (EV): 5.4V
 700 mAh discharge at 50mA load; 24h/d
 End Voltage (EV): 5.4V

typical service output (new batteries)

≥ 54 h load resistor: 600Ω; EV: 5.4V
 discharge 24h/d
 ≥ 20.5 h load resistor: 270Ω; EV: 6.0V
 discharge 1h/d
 ≥ 47 h load resistor: 620Ω; EV: 6.0V
 discharge 2h/d

max. continuous discharge current: 200 mA

max. peak discharge current: 400 mA

internal resistance: ≤ 2 Ω at 1kHz, sine wave measurement
 (new battery) according to IEC 896-2

shelf life: 10 years under proper storage conditions

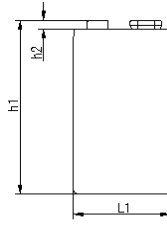
leakage resistance
 over discharge: no leakage 180ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

ambient temperature range: - 40...60 °C

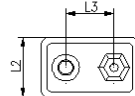
recommended storage conditions: -20....30 °C ambient temperature
 45...75 % rel. humidity


mechanical specifications

cell dimensions
 length L1: 26.5 -1 mm
 length L2: 17.5 -2 mm
 length L3: 12.7 ± 0.25 mm
 height h1: 48.5 -2 mm
 weight: 34 ± 2 g



blister card dimensions: 120 x 85 mm
weight (incl. batteries): 45 ± 2 g



	ANSMANN Specifications for model:	Ansmann Lithium Battery
		9V - E-Block 1pcs blister package
	data sheet no. / part no.	5021023
	supplier no.	701381
	author / date	TG / 30.04.2013