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
9.6...9.6 V after 1 year storage at 20°C

capacity
rated: 550 mAh discharge at 35mA load; 24hours/day End Voltage (EV): 5.4V
minimum: 550 mAh discharge at 10mA constant current End Voltage (EV): 5.4V
375 mAh discharge at 75mA constant current End Voltage (EV): 5.4V
typical service output, initial (new batteries)
≥ 14 h discharge at 35mA constant current; EV: 5.4V discharge 24h/d
≥ 19.5 h discharge at 2/0Ω resistive load; EV: 5.4V discharge 1h/d
≥ 49 h discharge at 620Ω resistive load; EV: 5.4V discharge 2h/d
≥ 18.5 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 according to IEC 896-2
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

blister card dimensions: 120 x 85 mm
weight (incl. battery): 53 ± 3 g

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice