

battery type: Lithium - Thionyl - Chloride
battery size: IEC: FR6; ANSI: AA; L91; Mignon
chemical system: Li-SOCl₂

Conditions

nominal voltage: 3.6 V
open circuit voltage: ≥3.65 V new battery

capacity
 rated: 4800 mAh all measurements at 20°C ambient
 discharge at 1mA constant current
 End Voltage (EV): 2.0V

minimum: 2600 mAh discharge at 33mA constant current
 End Voltage (EV): 2.0V

1600 mAh discharge at 100mA constant current
 End Voltage (EV): 2.0V

self discharge: <1 % storage at 20°C for 1 year

typical service output (new batteries)

≥ 3600 mAh load resistor: 620ohms; EV: 2.0V

≥ 3300 mAh discharge at 220ohms; EV: 2.0V

≥ 3700 mAh load resistor: 620ohms; EV: 2.0V
 discharge at +55°C

≥ 1800 mAh discharge at 6.8kohms; EV: 2.0V
 discharge at -40°C

internal resistance: ≤ xx Ω at 1kHz, sine wave measurement
 according to IEC 896-2

shelf life: 10 years under proper storage conditions

leakage resistance
 over discharge: prohibited

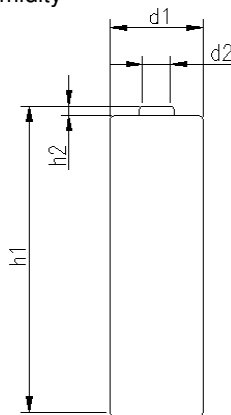
ambient temperature
range: - 55...+85 °C

recommended storage
 conditions: -20....40 °C ambient temperature
 45...75 % rel. humidity

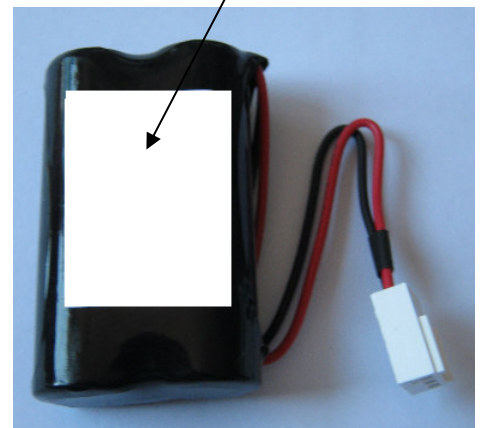
mechanical specifications


cell dimensions
 diameter d1: max. 14.5 mm
 diameter d2: max. 4.0 mm
 height h1: max. 50.5 mm
 height h2: xx mm
 weight: 48 -2 g

plug: Molex 22-01-1032
 wires: AWG 24 120 mm



Ansmann Label



	ANSMANN Specifications for model:	Lithium Battery pack 1S2P AA - size with Molex plug bulk
	data sheet no. / part no.	2642-3003
	Version no.	
	author / date	RA / 12.04.2011