

battery type: lithium primary battery
battery size: CR-123A (CR-17345)
chemical system: Manganese Dioxide Lithium Battery

nominal voltage: 3.0 V
open circuit voltage: 3.0...3.5 V
closed circuit voltage: 2.9...3.4 V

conditions, remarks

new battery
 measured after 1s under load of 50Ω

capacity

measurements at 23°C ambient; new battery

rated: 1500 mAh discharge at 10mA constant; 24hours/day
 End Voltage (EV): 2.0V

minimum: 1375 mAh discharge at 15mA constant; 24hours/day
 End Voltage (EV): 2.0V

1000 mAh discharge at 1000mA constant; continuous
 End Voltage (EV): 2.0V

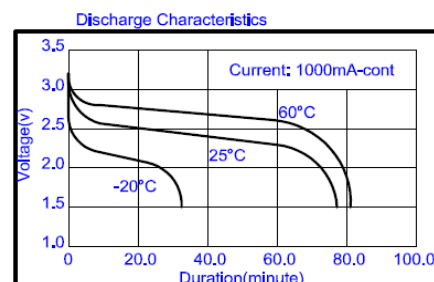
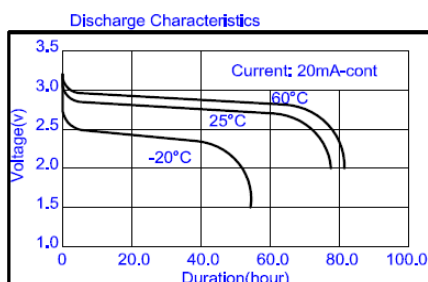
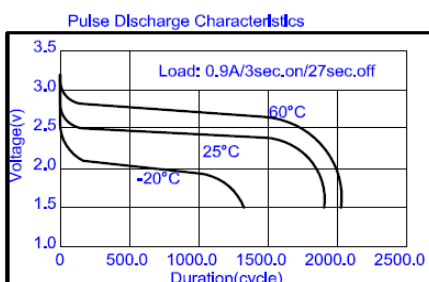
duration

new battery

pulse load: load: 900mA for 3s, rest time 27s
 >1600 cycles at 23°C; End Voltage (EV): 1.55V

load: 1200mA for 3s, rest time 7s
 >1000 cycles at 23°C; End Voltage (EV): 1.55V

discharge diagrams



max. discharge current

continuous: 1000 mA
pulse: 3000 mA

internal resistance: ≤ 0.5 Ω sine wave AC method (1kHz; 0.1mA)
 according to IEC 896-2

shelf life: 10 years under proper storage conditions

ambient temperature range:

- 20...60 °C operating temperature
 - 20...45 °C storage temperature
 5...20 °C recommended storage temperature

relative humidity: ≤ 70% during storage

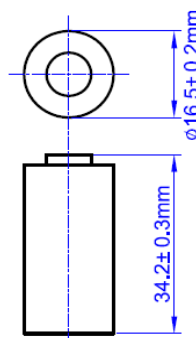
mechanical specifications

cell dimensions

diameter: 17.0 - 0.7 mm
height: 34.5 - 1.0 mm
weight: 16.5 ± 2 g

blister card

dimensions: 123 x 86 mm
weight (incl. battery): 25 g



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	ANSMANN Specifications for model:	CR-123A Lithium Battery
	data sheet no. / part no.	5020012
	Version no.	
	author / date	Gramlich / 11.03.2013

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