

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

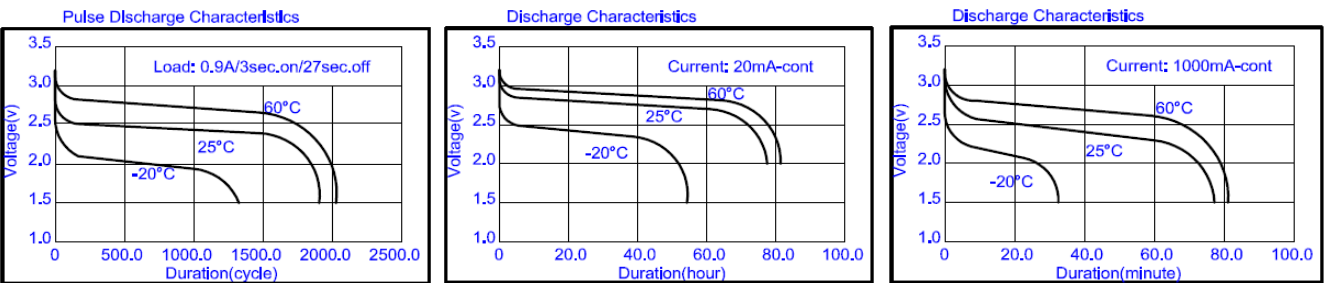
1000 mAh discharge at 1000mA constant; continuous
 End Voltage (EV): 2.0V

duration new battery

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

>1000 cycles load: 1200mA for 3s, rest time 7s
 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

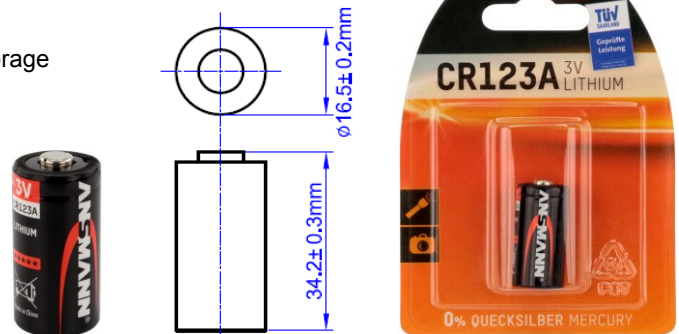
ambient temperature range:
 - 20...60 °C operating temperature
 - 20...45 °C storage temperature
 5...20 °C recommended storage temperature

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



	ANSMANN Specifications for model:	CR-123A Lithium Battery
		1 pcs blister package
	data sheet no. / part no.	5020012
	supplier no.	703331
	author / date	TG / 11.04.2017