

battery type: lithium primary battery
battery size: CR-2 (CR15H270)
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: 850 mAh discharge at 1mA constant current; 24hours/day
 End Voltage (EV): 2.0V

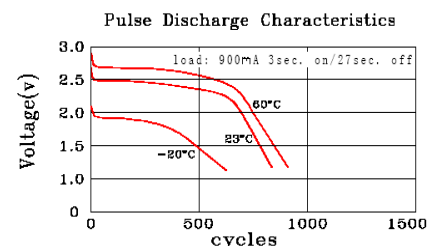
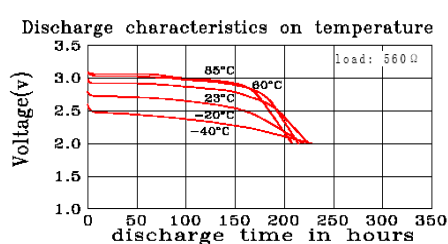
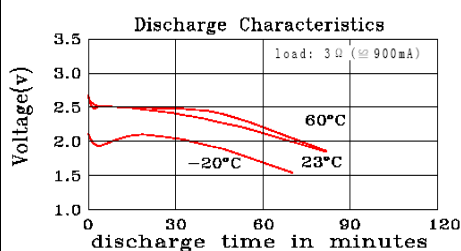
minimum: 750 mAh discharge at 10mA constant current; continuous
 End Voltage (EV): 2.0V

550 mAh discharge at 500mA constant current; continuous
 End Voltage (EV): 2.0V

duration new battery

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

discharge diagrams



max. discharge current
 continuous: 800 mA
 pulse: 1600 mA

internal resistance: ≤ 0.7 Ω sine wave AC method (1kHz; 0.1mA)
 according to IEC 896-2

shelf life: 10 years under proper storage conditions

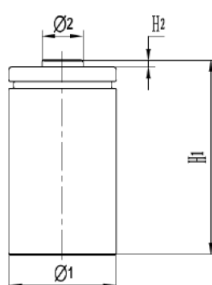
ambient temperature range:
 - 40...60 °C operating temperature
 - 20...45 °C storage temperature
 5...20 °C recommended storage temperature

relative humidity: ≤ 75% during storage

mechanical specifications

cell dimensions
 diameter Ø1: 15.6 - 0.7 mm
 diameter Ø2: 6.5 - 1.0 mm
 height H1: 27.0 - 1.0 mm
 height H2: 1.5 - 0.9 mm
 weight: 11 ± 2 g

blister card
 dimensions: 123 x 86 mm
 weight (incl. battery) 17 g



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ANSMANN Specifications for model:

data sheet no. / part no.	5020022
supplier no.	701801
author / date	TG / 19.01.2018

CR-2 Lithium Battery 1pcs blister package