

battery type: lithium primary battery
battery size: CR-2
chemical system: Manganese Dioxide Lithium Battery

nominal voltage: 3.0 V
open circuit voltage: 3.0... 3.4 V
closed circuit voltage: 2.9...3.35 V

conditions, remarks
 new battery
 measured after 1s under load of 50Ω

capacity measurements at 20°C ambient; new battery

rated: 800 mAh discharge at 200Ω resistive load; 24hours/day
 End Voltage (EV): 2.0V

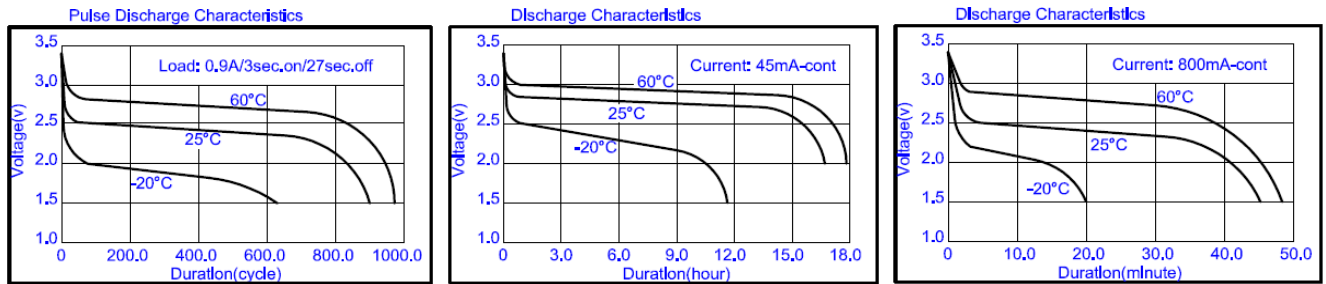
minimum: 750 mAh discharge at 10mA constant current; 24hours/day
 End Voltage (EV): 2.0V

575 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 20°C; End Voltage (EV): 1.5V

discharge diagrams:



max. discharge current
 continuous: 800 mA
 pulse: 1500 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

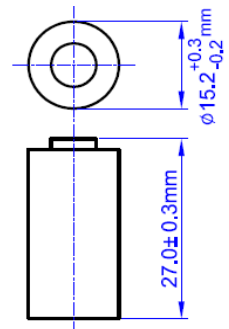
ambient temperature range:
 - 40...60 °C operating temperature
 - 20...45 °C storage temperature
 10...30 °C recom. storage temp.

relative humidity: ≤ 70% during storage

mechanical specifications

cell dimensions
 diameter: 15.3 - 0.5 mm
 height: 27.0 - 0.7 mm

weight: 10 ± 1.5 g



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| | ANSMANN Specifications for model: | CR-2 Lithium Battery bulk package |
| | data sheet no. / part no. | 5020021 |
| | Version no. | |
| | author / date | Gramlich / 12.03.2013 |