battery type: Lithium primary battery battery size: CR-2 (CR15H270)

chemical system: Manganese Dioxide Lithium Battery

conditions, remarks

nominal voltage: 3.0 V

open circuit voltage: 3.0...3.5 V new battery

closed circuit voltage: 2.9...3.4 V 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

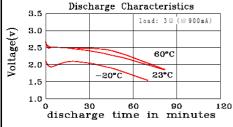
End Voltage (EV): 2.0V

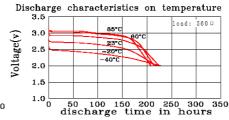
duration new battery

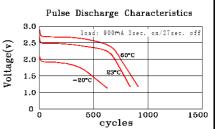
pulse load: 900mA for 3s, rest time 27s

>900 cycles at 23°C; End Voltage (EV): 1.55V

discharge diagrams







max. discharge current

continuous: 800 mA pulse: 1600 mA

internal resistance: $\leq 0.7 \Omega$ sine wave AC method (1kHz; 0.1mA)

according to IEC 896-2

shelf life: 10 years under proper storage conditions

ambient temperature

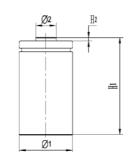
range: - 40...60 °C operating temperature - 20...45 °C operating temperature

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 27.0 - 1.0 height H1: mm height H2: 1.5 - 0.9 mm ± 2 weight: 11 g





ANSMANN Specifications for model:	CR-2 Lithium Photo Battery
data sheet no. / part no.	
supplier no.	701801
author / date	TG / 15.01.2019