

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): 1.8V

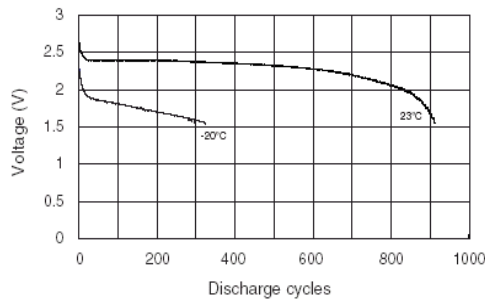
minimum: 750 mAh discharge at 10mA constant current; 24hours/day
 End Voltage (EV): 2.0V

700 mAh discharge at 500mA constant current; continuous
 End Voltage (EV): 1.0V

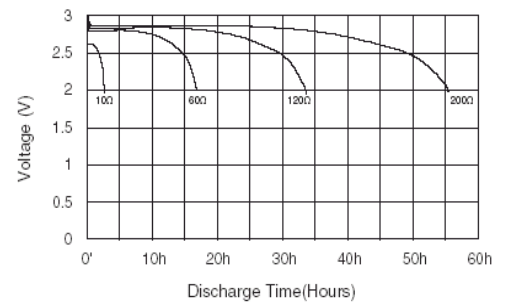
duration new battery

pulse load: load: 900mA for 3s, rest time 27s
 ≥ 900 cycles at 20°C; End Voltage (EV): 1.5V
 ≥ 300 cycles at -20°C; End Voltage (EV): 1.5V

discharge diagrams: **Discharge Characteristics**
 900mA, 3 seconds on / 27 seconds off



Continuous Discharge at 23°C



max. continuous discharge current: 1000 mA at 20°C

internal resistance: ≤ 0.6 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: ≤ 60% during storage

mechanical specifications

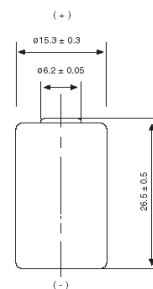
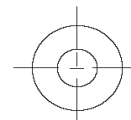
cell dimensions


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

weight: 10 ± 1.5 g

blister card

dimensons: 123 x 86 mm
weight (incl. battery) 17 g



	ANSMANN Specifications for model:	CR-2 Lithium Battery 1pcs blister package
	data sheet no. / part no.	5020022
	Version no.	
	author / date	Gramlich / 01.04.2010