

battery type: Lithium Button Cell
battery size: CR2032
chemical system: Lithium Manganese Dioxide

nominal voltage: 3.0 V
open circuit voltage: 3.2...3.4 V (new battery)
 3.1...3.4 V (after 1 year storage at 20°C)

Conditions

new battery
 after 1 year storage at 20°C

capacity
 nominal: 200 mAh discharge at 15kΩ resistive load; 24hours/day
 End Voltage (EV): 2.0V
 minimal: 190 mAh discharge at 15kΩ resistive load; 24hours/day
 End Voltage (EV): 2.0V

all measurements at 22 ± 2°C ambient

Service Life

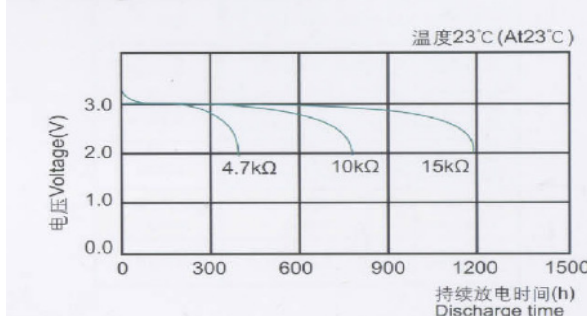
at 15kΩ load; 24hours/day
 ≥ 920 h EV: 2.0V new battery (tested within 60 days after production)
 ≥ 864 h EV: 2.0V after 12 months
 standard discharge time ≥ 135 h at 2kΩ load (for QC measurement)

Discharge currents

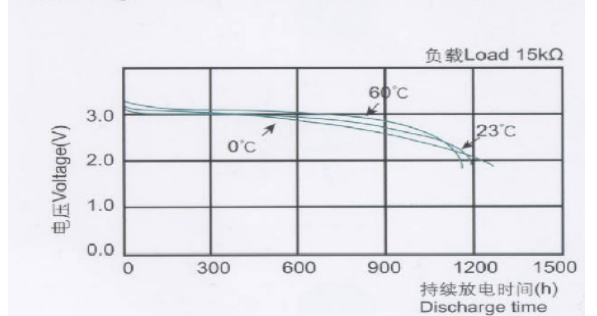
standard: 0.2 mA
 max. recommended current under continuous discharge: 4 mA
 max. recommended current under pulse discharge: 16 mA

Discharge diagrams:

Discharge Characteristics on Load



Discharge Characteristics on Temperature



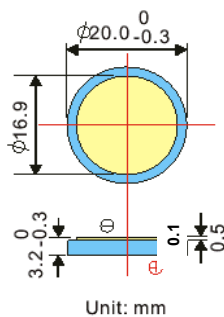
shelf life: 5 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

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

example picture




mechanical specifications:



nominal weight: 3.0 g

blister card:
 dimensions: 55 x 185 x 6.0mm
 weight: approx. 18.5g (incl. batteries)

	ANSMANN Specifications for model:	CR2032 Lithium Button Cell "HyCell"
	data sheet no. / part no.	1516-0105
	supplier no.	703385
	author / date	TG / 10.04.2018