

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

Conditions

nominal voltage: 3.0 V
open circuit voltage: 3.0...3.4 V (new battery)
 2.9...3.4 V (after 1 year storage at 20°C)

all measurements at 22 ± 2°C ambient

capacity rated: 220 mAh (discharge at 10kΩ resistive load; 24hours/day
 End Voltage (EV): 2.0V)
minimum: 210 mAh (discharge at 10kΩ resistive load; 24hours/day
 End Voltage (EV): 2.0V)

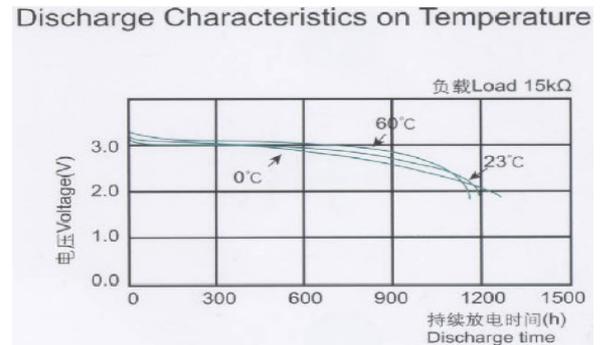
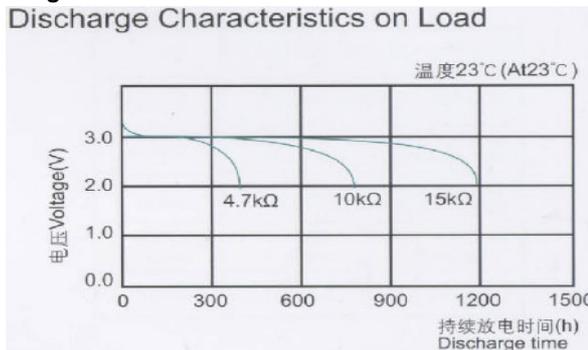
Service Life

at 15kΩ load; 24hours/day
 ≥ 1200 h EV: 2.0V new battery (tested within 60 days after production)
 ≥ 1080 h EV: 2.0V after 12 months
 standard discharge time ≥ 145 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:



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

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

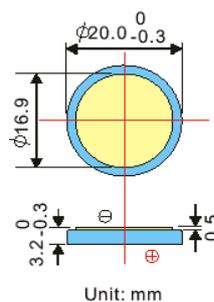
storage temperature: 0...30 °C (recommended)

mechanical specifications:

outer battery dimensions

diameter: 20.0mm +0/-0.3mm
 height: 3.2mm +0/-0.2mm

drawing



nominal weight: 3.0 g (approx.)

Unit: mm

	ANSMANN Specifications for model:	Lithium Button Cell HyCell CR2032
	data sheet no. / part no.	
	supplier no.	703385
	author / date	TG / 16.01.2020