

battery type: Lithium Button Cell
battery size: CR2016
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: 80 mAh (continuous discharge at 30kΩ load; 24hours/day
 End Voltage (EV): 2.0V)
minimum: 75 mAh (continuous discharge at 30kΩ load; 24hours/day
 EV: 2.0V)

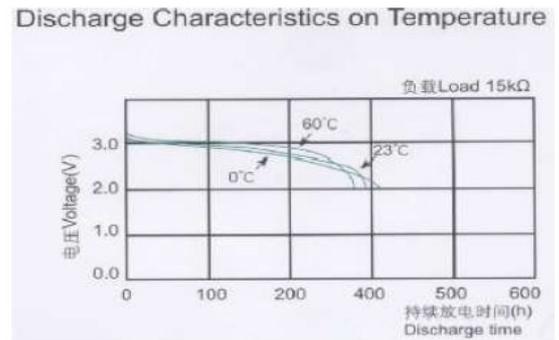
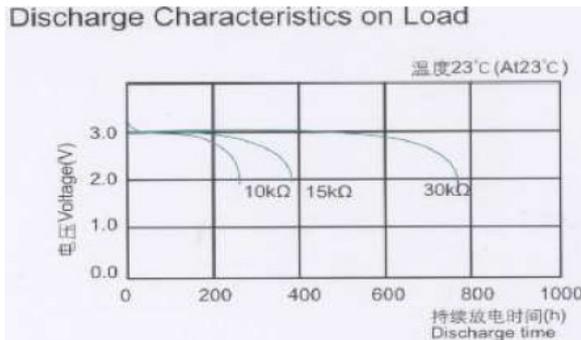
Service Life

at 30kΩ load; 24hours/day
 ≥ 800 h EV: 2.0V (new battery (tested within 60 days after production))
 ≥ 770 h EV: 2.0V (after 12 months)
 standard discharge time ≥ 120 h at 4.7kΩ load (for QC measurement)

Discharge currents

standard: 0.1 mA
 max. recommended current under continuous discharge: 2 mA
 max. recommended current under pulse discharge: 10 mA

Discharge diagrams:



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

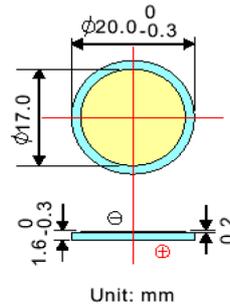
operating temperature range: - 20...60 °C

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

mechanical specifications:

outer battery dimensions
 diameter: 20.0mm +0/-0.3mm
 height: 1.6mm +0/-0.2mm

drawing



nominal weight: 1.7 g (approx.)

Unit: mm

	ANSMANN Specifications for model:	Lithium Button Cell HyCell CR2016
	data sheet no. / part no.	
	supplier no.	703385
	author / date	TG / 16.01.2020