



**THE DATASHEET OF
5020132-XX**



battery type: Lithium Button Cell (X-type)
battery size: CR1616
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

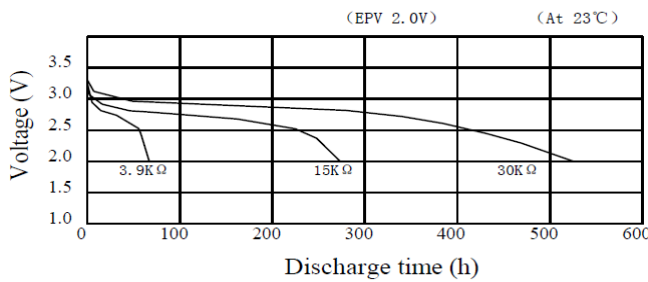
capacity
 rated: 50 mAh (continuous discharge at 30kΩ load; 24hours/day
 End Voltage (EV): 2.0V)
 minimum: 47 mAh (continuous discharge at 30kΩ load; 24hours/day
 EV: 2.0V)

standard discharge time
 minimum: 150 h (at 10kΩ load (for QC measurement)
 EV: 2.0V)

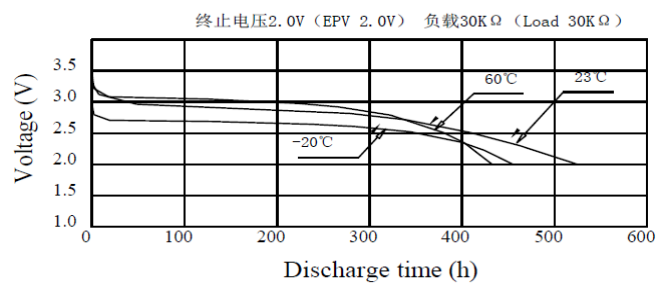
discharge currents
 standard: 0.1 mA
 max. recommended current under continuous discharge: 3 mA
 max. recommended current under pulse discharge: 8 mA

discharge diagrams:

Discharge Characteristics on Load



Discharge Characteristics on Temperature

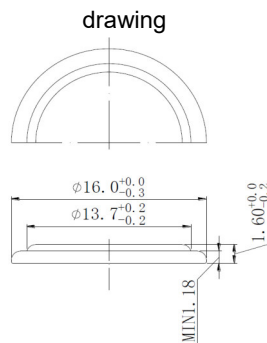


shelf life: 10 years (under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%))
self-discharge: ≤ 2 % (per year (at 20°C ambient temperature))

operating temperature range: - 20...70 °C
storage temperature: 0...30 °C (recommended)

mechanical specifications:

outer battery dimensions
 diameter: 16.0mm +0/-0.3mm
 height: 1.6mm +0/-0.2mm



printed production date
 4 digits (YYMM)
 e.g. 1806 = 2018 June

nominal weight: 1.2 g (approx.)

	ANSMANN Specifications for model: Lithium Button Cell CR1616
	data sheet no. / part no.
	s.n. 704245
	author / date TG / 11.09.2023

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