



**THE DATASHEET OF
5020112-XX**



battery type: Lithium Button Cell (X-type)
battery size: CR2450
chemical system: Lithium Manganese Dioxide

Conditions

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

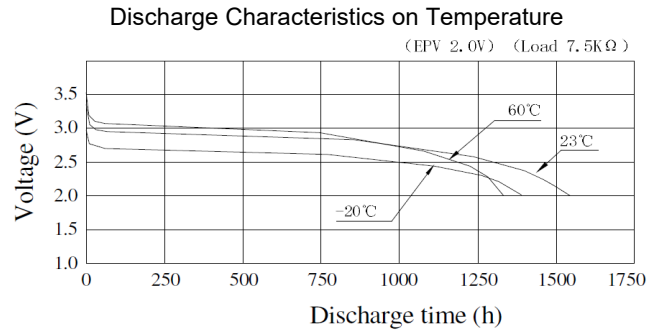
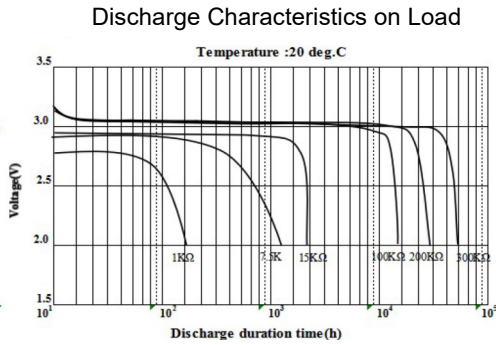
all measurements at 22 ± 2°C ambient

capacity rated: 600 mAh (continuous discharge at 7.5kΩ load; 24hours/day End Voltage (EV): 2.0V)
minimum: 580 mAh (continuous discharge at 7.5kΩ load; 24hours/day EV: 2.0V)

standard discharge time minimum: 165 h (at 910Ω load (for QC measurement) EV: 2.0V)

discharge currents standard: 0.4 mA
 max. recommended current under continuous discharge: 6 mA
 max. recommended current under pulse discharge: 25 mA

discharge diagrams:



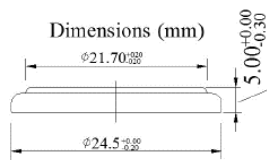
shelf life: 10 years (under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%))
self-discharge: ≤ 2 % (per year (at 20°C ambient temperature))

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

mechanical specifications:

outer battery dimensions
 diameter: 24.5mm ±0/-0.2mm
 height: 5.0mm ±0/-0.3mm

drawing



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



nominal weight: 6.9 g (approx.)

	ANSMANN Specifications for model:	Lithium Button Cell CR2450
	data sheet no. / part no.	
	s.n.	704245
	author / date	TG / 06.09.2023

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