



**THE DATASHEET OF  
5020122-XX**



**battery type:** Lithium Button Cell (X-type)  
**battery size:** CR2032  
**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

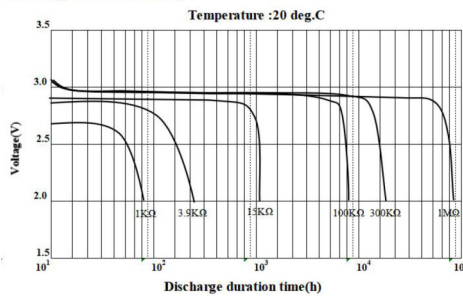
**capacity**  
 rated: 245 mAh (continuous discharge at 15kΩ load; 24hours/day  
 End Voltage (EV): 2.0V)  
 minimum: 230 mAh (continuous discharge at 15kΩ load; 24hours/day  
 EV: 2.0V)

**standard discharge time**  
 minimum: 155 h (at 2kΩ load (for QC measurement)  
 EV: 2.0V)

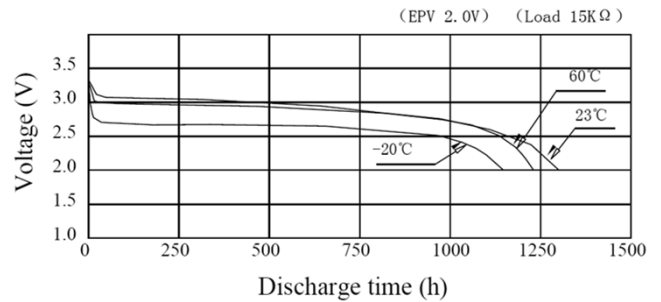
**discharge currents**  
 standard: 0.2 mA  
 max. recommended current under continuous discharge: 5 mA  
 max. recommended current under pulse discharge: 18 mA

**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))

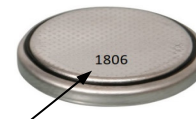
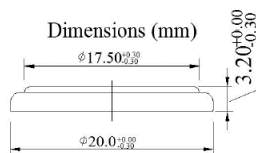
**operating temperature range:** - 20...70 °C

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

**mechanical specifications:**


outer battery dimensions  
 diameter: 20.0mm +0/-0.3mm  
 height: 3.2mm +0/-0.3mm

drawing



printed production date  
 4 digits (YYWW)  
 e.g. 1831 = year (20)18, calendar week 31

**nominal weight:** 3.2 g (approx.)

	<b>ANSMANN Specifications for model:</b>	<b>Lithium Button Cell CR2032</b>
	data sheet no. / part no.	
	s.n.	704245
	author / date	TG / 06.09.2023

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