

battery type: Lithium Button Cell
battery size: CR2450
chemical system: Lithium Manganese Dioxide

Conditions

nominal voltage: 3.0 V
open circuit voltage: 3.0...3.4 V
 2.9...3.4 V

new battery
 after 1 year storage at 20°C

all measurements at 22 ± 2°C ambient

capacity
rated: 630 mAh
 discharge at 0.4mA constant current; 24hours/day
 End Voltage (EV): 2.0V

minimum: 550 mAh
 discharge at 0.4mA constant current; 24hours/day
 EV: 2.0V

Standard discharge time
minimum: 275 h
 at 1.5kΩ load
 EV: 2.0V (for QC measurement)

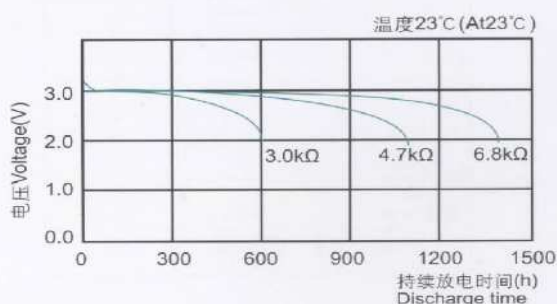
Discharge currents
standard: 0.4 mA

max. recommended current
 under continuous discharge: 5 mA

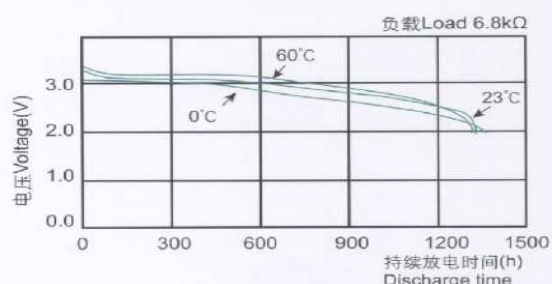
max. recommended current
 under pulse discharge: 20 mA

Discharge diagrams:

Discharge Characteristics on Load



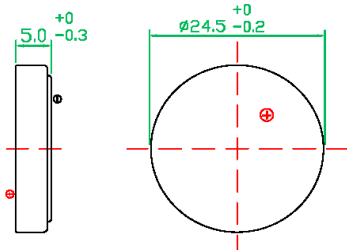
Discharge Characteristics on Temperature



shelf life: 10 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

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

mechanical specifications:



blister card
 dimensions:
 56 x 71.5mm

weight:
 8g (incl. battery)

nominal weight: 6.4 g



ANSMANN Specifications for model:

data sheet no. / part no.

Version no.

author / date

CR2450 Lithium Button Cell blister package

5020112

Gramlich / 02.12.2010