

battery type:
battery size:
chemical system:

Lithium Button Cell
 CR2450
 Lithium Manganese Dioxide

CELL PACK
SOLUTIONS

Telephone: +44 (0)191 496 9999
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nominal voltage: 3.0 V
open circuit voltage: 3.0...3.4 V
 2.9...3.4 V

Conditions
 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 (for QC measurement)
 EV: 2.0V

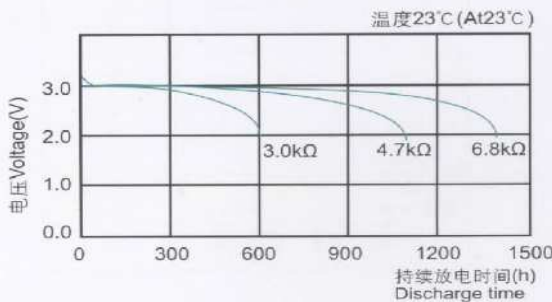
Discharge currents
 standard: 0.4 mA

max. recommended current
 under continuous discharge: 5 mA

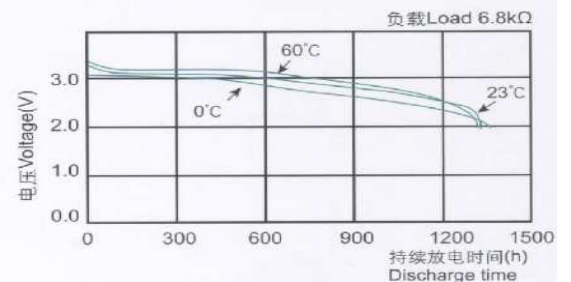
max. recommended current
 under pulse discharge: 20 mA

Discharge diagrams:

Discharge Characteristics on Load



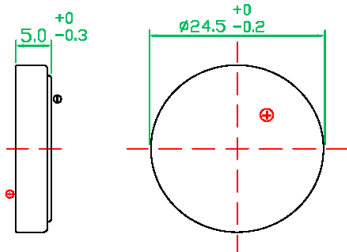
Discharge Characteristics on Temperature



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

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| | ANSMANN Specifications for model: | CR2450 Lithium Button Cell blister package |
| | data sheet no. / part no. | 5020112 |
| | Version no. | |
| | author / date | Gramlich / 02.12.2010 |