

**battery type:** Lithium Button Cell  
**battery size:** CR2032  
**chemical system:** Lithium Manganese Dioxide



<https://www.mega-piles.com/>

**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)

#### Conditions

all measurements at 22 ± 2°C ambient

**capacity**  
**rated:** 220 mAh (discharge at 10kΩ resistive load; 24hours/day  
 End Voltage (EV): 2.0V)  
**minimum:** 210 mAh (discharge at 10kΩ resistive load; 24hours/day  
 End Voltage (EV): 2.0V)

#### Service Life

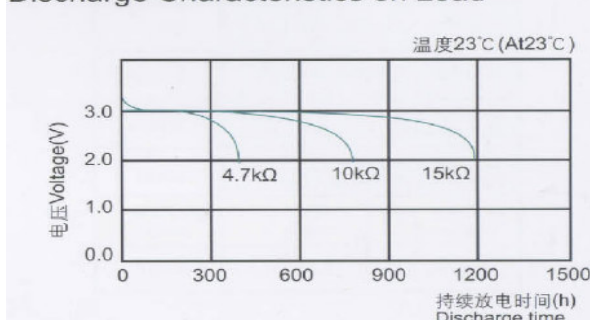
at 15kΩ load; 24hours/day  
 ≥ 1200 h EV: 2.0V (new battery (tested within 60 days after production))  
 ≥ 1080 h EV: 2.0V (after 12 months)  
**standard discharge time** ≥ 145 h (at 2kΩ load (for QC measurement))

#### Discharge currents

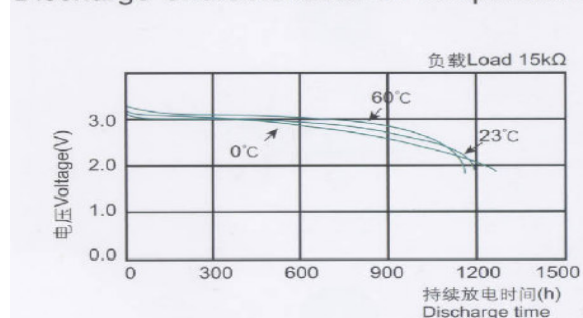
**standard:** 0.2 mA  
**max. recommended current**  
**under continuous discharge:** 4 mA  
**max. recommended current**  
**under pulse discharge:** 16 mA

#### Discharge diagrams:

Discharge Characteristics on Load



Discharge Characteristics on Temperature



**shelf life:** 5 years (under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%))

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

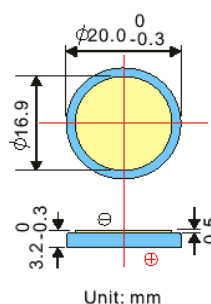
**storage temperature:** 0...30 °C (recommended)

#### mechanical specifications:

outer battery dimensions

diameter: 20.0mm +0/-0.3mm  
 height: 3.2mm +0/-0.2mm

drawing



**nominal weight:** 3.0 g (approx.)

Unit: mm

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**ANSMANN Specifications for model:**

data sheet no. / part no.

supplier no.

author / date

**Lithium Button Cell**  
**HyCell CR2032**

703385

TG / 16.01.2020