

battery type: Lithium Button Cell (PH-type)
battery size: CR2016
chemical system: Lithium Manganese Dioxide

Conditions

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

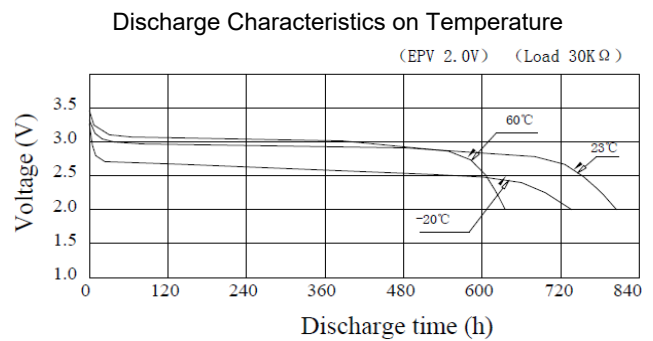
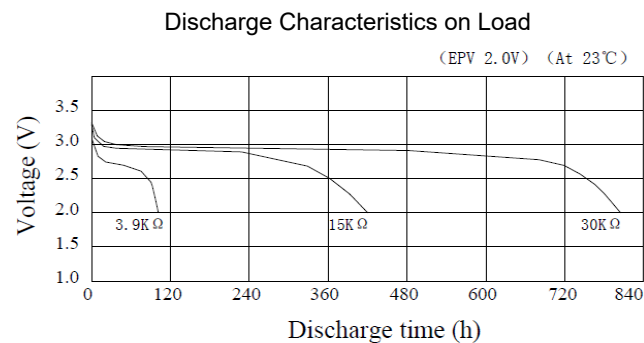
all measurements at 22 ± 2°C ambient

capacity
 rated: 85 mAh continuous discharge at 30kΩ load; 24hours/day
 End Voltage (EV): 2.0V
 minimum: 80 mAh continuous discharge at 30kΩ load; 24hours/day
 EV: 2.0V

standard discharge time
 minimum: 155 h at 5.6kΩ load (for QC measurement)
 EV: 2.0V

discharge currents
 standard: 0.1 mA
 max. recommended current
 under continuous discharge: 4 mA
 max. recommended current
 under pulse discharge: 12 mA

discharge diagrams:

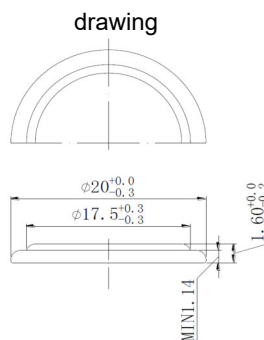


shelf life: 10 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)
self-discharge: ≤ 2 % per year (at 20°C ambient temperature)

operating temperature range: - 30...65 °C
storage temperature: 0...30 °C (recommended)

mechanical specifications:

outer battery dimensions
 diameter: 20.0mm +0/-0.3mm
 height: 1.6mm +0/-0.2mm



nominal weight: 2.0 g (approx.)



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ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

Lithium Button Cell CR2016

703700

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