

battery type:
battery size:
chemical system:

Zinc - Carbon (Mercury free)
IEC: 3R12; JIS: 3R12; MN1203; 1289
Zn / MnO₂



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

nominal voltage: 4.5 V
open circuit voltage: 4.7...5.1 V
4.5...5.1 V

Conditions

new battery
after 1 year storage at 20°C

capacity

all measurements at 20°C ambient

rated: 2000 mAh
2100 mAh

discharge at 220ohms load; 4hours/day
End Voltage (EV): 2.7V
discharge at 10mA load; 24hours/day
End Voltage (EV): 2.7V

for IQC measurement:

discharge time: ≥ 250 min

at 11.7ohms constant resistance discharge
End Voltage (EV): 2.7V

service output (new battery)

115 h load resistor: 220ohms; EV: 2.7V
discharge 4h/d

8.3 h load resistor: 20ohms; EV: 2.7V
discharge 1h/d

250 min load resistor: 11.7ohms; EV: 2.7V
discharge 24h/d

internal resistance: ≤ 3 Ω

at 1kHz, sine wave measurement
according to IEC 896-2

shelf life: ≥ 3 years under proper storage conditions

leakage resistance

over discharge: no leakage
high temperature: no leakage

20ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
store 25days at ta: 60°C; RH: ≤ 70±5%

ambient temperature range:

- 10...50 °C

recommended storage conditions:

5...25 °C
45...75 %

ambient temperature
rel. humidity

mechanical specifications

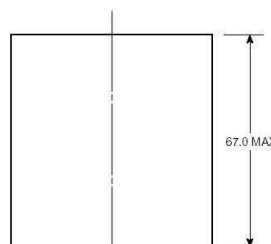
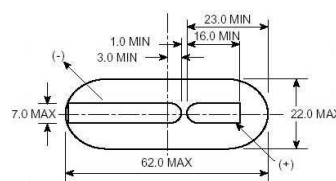
cell dimensions

width: 22.0 -1 mm
length: 62.0 -2 mm
height: 67.0 -4 mm

weight: 110 ± 5 g

blister package

dimensions: 120 x 85 mm
weight (incl. battery): 118 ± 5 g



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ANSMANN Specifications for model:

data sheet no. / part no.

s.n.

author / date

Ansmann 3R12 Heavy Duty 1pc blister package

5013091

703385

TG / 08.01.2021

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice