

**battery type:** Alkaline Manganese Dioxide (mercury free)  
**battery size:** A29; 29A; A32; 25A  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**nominal voltage:** 9 V  
**open circuit voltage:** 9.3...9.7 V new battery  
 9.2...9.7 V after 1 year storage at 20°C

**capacity** all measurements at 22 ± 2°C ambient

**rated:** 20 mAh discharge under 15kΩ load; 24hours/day  
 End Voltage (EV): 4.5V

**minimum:** 18 mAh discharge under 15kΩ load; 24hours/day  
 End Voltage (EV): 4.5V

#### Standard discharge time

**nominal:** ≥ 38 h at 15kΩ load new battery  
 EV: 4.5V  
**MAD:** 34 h at 15kΩ load after 12 months storage at 20°C  
 (minimum average duration) EV: 4.5V  
 36 h at 15kΩ load for IQC measurement  
 EV: 4.5V (tested within 30 days after delivery)

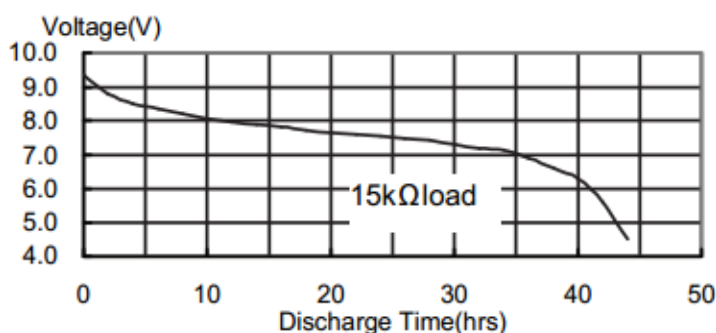
#### Discharge currents

**standard:** 0.05 mA

**max. recommended current under continuous discharge:** 0.5 mA

**max. recommended current under pulse discharge:** 5 mA

#### Discharge diagrams:



**shelf life:** 3 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)  
 ≥90 % remaining capacity after 12 months storage

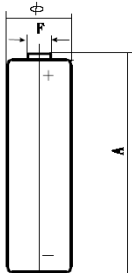
**operating temperature:** - 20...60 °C

**storage temperature:** 5...25 °C (recommended)

#### mechanical specifications:

Dimensions(mm):

|   | min  | max  |
|---|------|------|
| Φ | 7.4  | 8.0  |
| A | 19.9 | 22.1 |



**nominal weight:** 3.5 g



**blister card**  
**dimensions:** 56 x 71.5mm  
**weight:** 5.3g (incl. battery)



#### ANSMANN Specifications for model:

|                           |                 |
|---------------------------|-----------------|
| data sheet no. / part no. | 1510-0008       |
| supplier no.              | 703385          |
| author / date             | TG / 15.06.2018 |

**A29 (29A) Alkaline Battery**  
**"Hg free" blister package**