

battery type: Alkaline Manganese Dioxide (mercury free)
battery size: A27; 27A; MN27; L828
chemical system: Zn / KOH-H₂O / MnO₂

nominal voltage: 12 V
open circuit voltage: 12.3...12.9 V new battery
 12.2...12.9 V after 1 year storage at 20°C

Conditions

all measurements at 22 ± 2°C ambient

capacity
rated: 20 mAh discharge under 20kΩ load; 24hours/day
 End Voltage (EV): 6.0V
minimum: 18 mAh discharge under 20kΩ load; 24hours/day
 End Voltage (EV): 6.0V

Standard discharge time

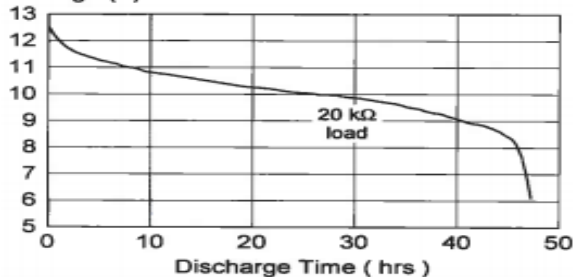
nominal: 50 h at 20kΩ load new battery
 EV: 6.0V
MAD:
 (minimum average duration) 45 h at 20kΩ load after 12 months storage at 20°C
 EV: 6.0V
 47 h at 20kΩ load for IQC measurement
 EV: 6.0V (tested within 30 days after delivery)

Discharge currents

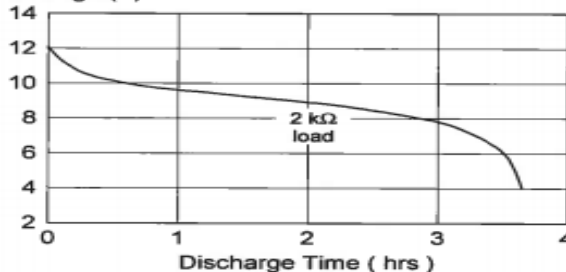
standard: 0.05 mA
max. recommended current
under continuous discharge: 0.5 mA
max. recommended current
under pulse discharge: 5 mA

Discharge diagrams:

Normal Rate Discharge
 Voltage (V)



High Rate Discharge
 Voltage (V)



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

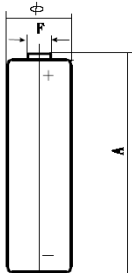
operating temperature: - 20...60 °C

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

mechanical specifications:

Dimensions(mm):

	min	max
Φ	7.4	8.0
A	27.0	28.2
F	3.2	3.8



nominal weight: 4.8 g



blister card
dimensions: 56 x 71.5mm
weight: 6.6g (incl. battery)



ANSMANN Specifications for model:

data sheet no. / part no. 1516-0001
 supplier no. 703385
 author / date TG / 18.06.2018

A27 (27A, L828) Alkaline Battery "Hg free" blister package