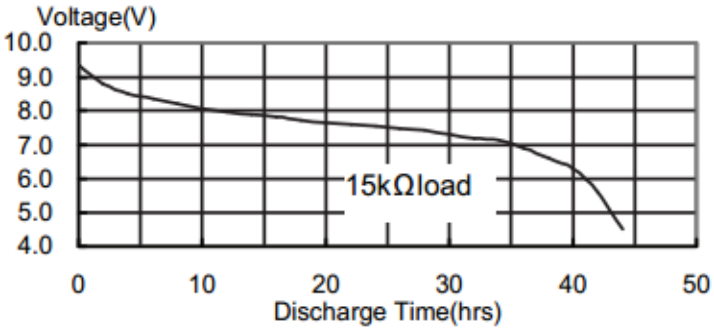
battery type:		**Alkaline Manganese Dioxide (mercury free)**	
battery size:		A29; 29A; A32; 25A	
chemical system:		Zn / KOH-H_2O / MnO_2	
		Conditions	
nominal voltage:	9 V		
open circuit voltage:	9.3…9.7 V	new battery	
	9.2…9.7 V	after 1 year storage at 20°C	
		all measurements at 22 ± 2°C ambient	
capacity			
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 EV: 4.5V	new battery
MAD: (minimum avarage duration)	34 h	at 15kΩ load EV: 4.5V	after 12 months storage at 20°C
	36 h	at 15kΩ load EV: 4.5V	for IQC measurement (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		

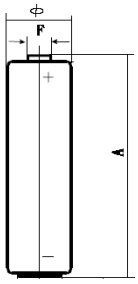
Discharge diagrams:



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

ANSMANN	**ANSMANN Specifications for model:**	**A29 (29A) Alkaline Battery "Hg free"**
	data sheet no. / part no.	
	s.n.	701381
	author / date	TG / 19.08.2026

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