

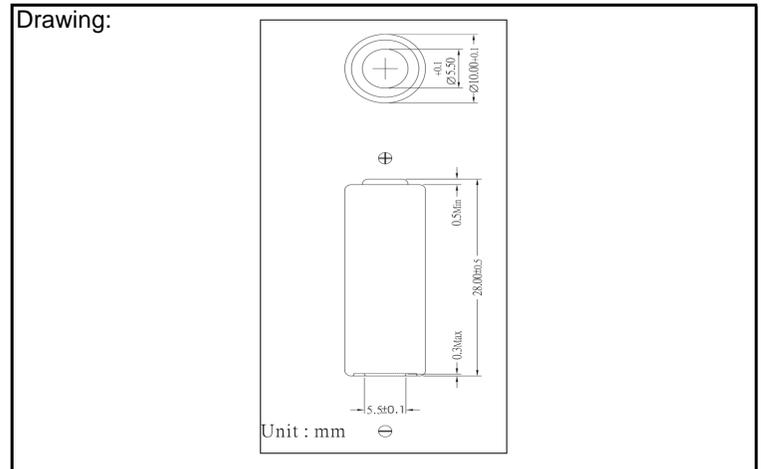
Alkaline Battery

Type Designation:	L1028	
Designation IEC:	23A	
System:	Electrolyte-zinc-manganese dioxide (mercury & cadmium free)	
Nominal Voltage (V):	12.0	
Typical Capacity (mAh):	60	
Operating Temperature (°C):	-20 to +54	
Storage Temperature (°C):	-20 to +35	
Dimensions (mm):	min.	max.
H Height (mm):	27.95	28.05
D Diameter Ø (mm):	9.90	10.10
Weight (g):	≤	8.1
Storing temperature (°C):		20±2
Storing Humidity (%):		60±5

Figure:



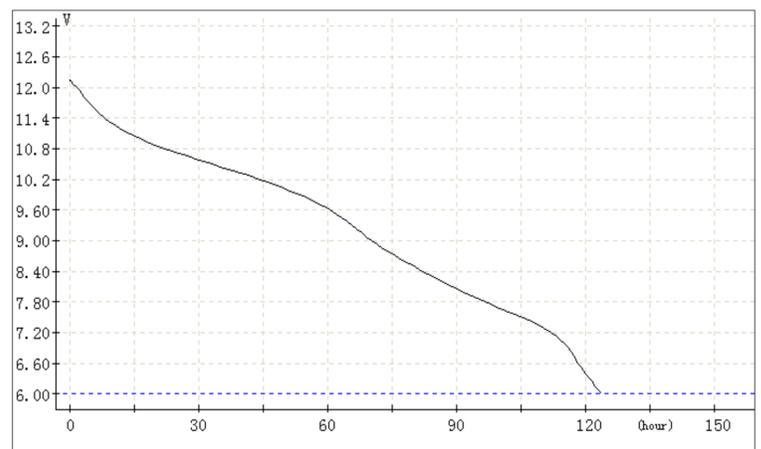
Drawing:



Discharge Characteristics

Discharge test (service life) (Test environment: 20±2°C--75%R.H)

Load	20.0 kΩ	
Daily Discharge Time	24h	
End Point Voltage	6.0V	
Average Min. Discharge time	new battery	105h
Average Min. Discharge time	after 12 mth.	95h



Electrical Characteristics (Test Conditions: 100Ω±0.5% load resistance, measuring time 0.3 seconds, temperature at 20±2°C, tested within 30 days after delivery)

	Off-load voltage(V)	On-load voltage(V)	Test Specification
New Battery	12.20	7.00	MIL-STD105E, Class II ,Double Sampling AQL=0.4
After 12 mth. at room temp.	12.00	6.80	

Safety Instructions

- ▶ Keep batteries safely away from children!
- ▶ Do not charge, short-circuit, stab, deform, or otherwise damage batteries!
- ▶ Do not heat up batteries or expose them to fire or temperatures in excess of 85°C!
- ▶ Never disassemble and do not mix batteries with other battery types!
- ▶ Never expose batteries to water!
- ▶ Avoid short-circuiting the battery terminals!
- ▶ Store batteries in cool and dry ambiances lower than 30°C at a constant temperature.
- ▶ Avoid placing or storing batteries next to heaters and avoid direct sun light.
- ▶ There's a risk of bursting if heated up in excess of 100°C or by overcharging them.
- ▶ According to IATA Regulations, tecxus™ batteries are not considered dangerous goods.
- ▶ Remove batteries when not in use for longer periods.
- ▶ The safety regulation IEC 60086-5 contains additional recommendations for producers and users.

Delivered capacity is dependent on the applied load, operating and cut-off voltage. Referring to the charts and discharge data shown for examples of the energy / service life that the battery will provide for various load conditions.