

Primary lithium batteries A9VE 9V 1200mAh

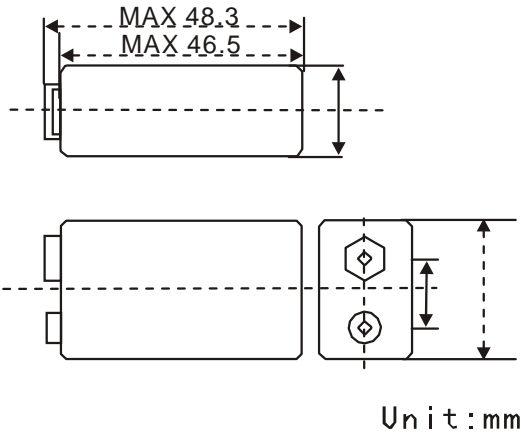


9.0V Primary lithium-thionyl chloride
(Li-SOCl₂) Energy type
9V bobbin cell

For **low drain / long term operating** applications requesting superior voltage response in -40F ~+185F environments.

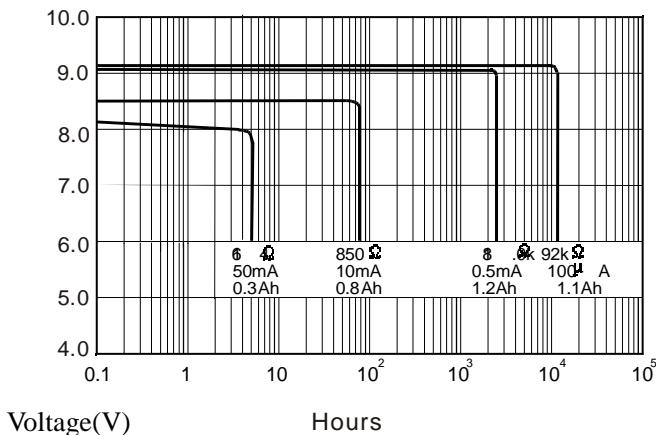
Cell size references	RF22-6LK6-9V
Alternative models	LS-9 Volt
Electrical characteristics (typical values relative to cells stored for one year or less at +86F max.)	
Nominal capacity (at 0.5mA +68F 6.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	1.2Ah
Open circuit voltage (at +68F)	9.0V
Nominal voltage (at 0.5mA +68F)	9.0V
Pulse capability: Typically up to 100 mA (100 mA/0.1 second pulse, drained every 2 mn at +68F from undischarged cells with 10 µA base current, yield voltage readings above 9.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history Fitting the cell with a capacitor may be recommended in severe conditions. Consult ABLE)	
Max. Continuous current	50 mA
Max. Pulse current	100 mA
Storage (recommended) (for more severe conditions, consult ABLE)	+86F
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult ABLE)	-40F ~+185F
Physical characteristics	
Diameter (max)	25.3mm(1in)
Width	17.5mm(0.69in)
Height (max)	48.3mm(1.93in)
Typical weight	45g(1.47oz)
Available termination suffix	-

A9VE 9V 1200mAh



Characteristic curves

Discharge performance (25°C)



Nominal capacity 1.2Ah (0.5mA to 2.0V).

Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (less than 1% after 1year of storage at +68F)
- ▶ Optional stainless steel container for low magnetic and nickle plated steel container for more safe design
- ▶ Hermetic glass-to-metal sealing
- ▶ Notch technology for safety vent is recommended
- ▶ Non-flammable electrolyte

Main applications

- ▶ Radiocommunication and other military applications
- ▶ Alarms and security systems
- ▶ Beacons and emergency location transmitters
- ▶ GPS
- ▶ Metering systems
- ▶ Sonobuoys
- ▶ LED lighting applications
- ▶ Others

Storage

- ▶ The storage area should be clean, cool (not exceeding +86F), dry and ventilated.

Warning

- ▶ Do not use if the battery casing was mangled.
- ▶ Please discharge the battery few minutes with 100mA, if the battery voltage is lower than your need or consult ABLE.
- ▶ Don't use different models of battery in series.
- ▶ Soldering the tag should be finished in few seconds.
- ▶ Do not try to recharge.