

Primary lithium batteries A9V

**9.0V Primary lithium-manganese dioxide
(Li-MnO₂) Power type
9V spiral cell**

For high drain/high pulses applications requesting superior voltage response in -20°C~+55°C environments.

Cell size references

RF22-6LR6-9V

Alternative models

U9VL

Electrical characteristics

(typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity

1.2Ah

(at 1mA +20°C 5.4V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).

Open circuit voltage (at +20°C)

9.0V

Nominal voltage (at 9mA +20°C)

9.0V

Pulse capability: Typically up to 120mA (120mA/0.1 second pulses, drained every 2 mn at +20°C 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 Camelion)

Max. Continuous current

120mA

Storage (recommended)
(for more severe conditions, consult Caemlion)

+23°C max

Operating temperature range (Storage temperature range) -20°C / +55°C (-40°C/ +55°C)
(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult Camelion)

Physical characteristics

Diameter (max)

26.5mm(1.06in)

Width

17.7mm(0.7in)

Height (max)

49mm(1.96 in)

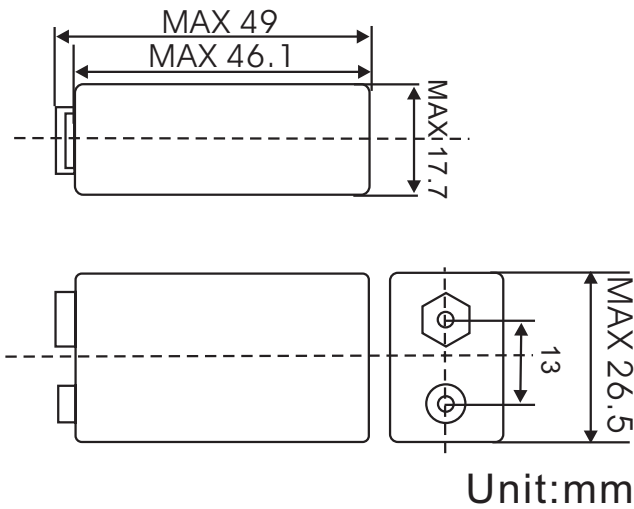
Typical weight (max)

30g(1.0oz)

Notice:

Environmental elements comply with RoHS requirements. This information is subject to change without prior notice and for reference only. It should not be used as a basis for a product guarantee or warranty. For additional information, please consult your nearest Camelion Sales Office or Distributor or visit our website at: www.camelionbattery.com.

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Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (less than 3% after 1 year of storage at +20°C)

Main applications

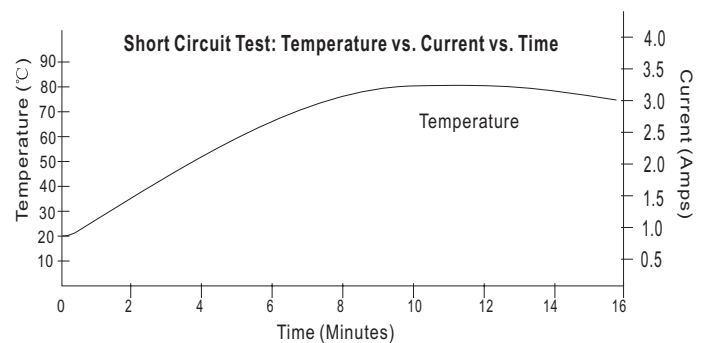
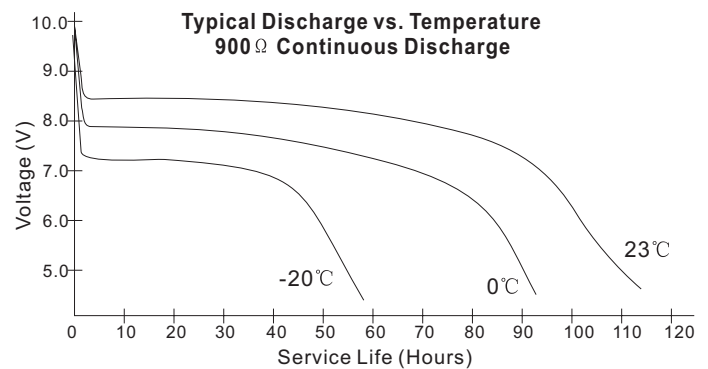
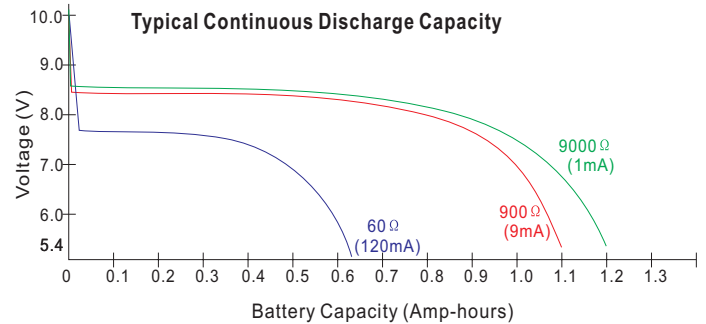
- ▶ Radiocommunication and other military applications
- ▶ Alarms and security systems
- ▶ Beacons and emergency location transmitters
- ▶ GPS
- ▶ Metering systems
- ▶ Sonobuoys
- ▶ LED lighting applications
- ▶ Others

Storage

- ▶ The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

Warning

- ▶ Do not use if the battery casing was mangled.
- ▶ Don't use different models of battery in series.
- ▶ Soldering the tag should be finished in few seconds.
- ▶ Do not try to recharge.



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