



**MODEL CR9V-FP**  
**Lithium Manganese Dioxide**  
**(Li-MnO<sub>2</sub>) Battery**

## ELECTRICAL CHARACTERISTICS

Typical values for cells stored for one year or less, at +23°C

■ **Nominal capacity** **1,200 mAh**  
 at 9 mA, +23°C, 5.4 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.

■ **Nominal voltage** **9.0 V**

■ **Maximum recommended continuous current** **300 mA**  
 to get 50% of the nominal capacity at +23°C with a 5.4V cut off. Higher currents possible, consult OmniCel.

■ **Maximum pulse capability** **500 mA**

■ **Pulse capability:** varies according to pulse characteristics (frequency and duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult OmniCel.

■ **Storage** **-40°C / +60°C**

■ **Operating temperature range** **-40°C / +60°C**  
 (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

### ⚠ WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (100°C), incinerate, or expose contents to water. Do not solder directly to the cell, use tabbed cell instead.

### TRANSPORTATION:

For a complete description of transportation regulations and definitions of the transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9" refer to the OmniCel website at [www.omnicel.com](http://www.omnicel.com).

## KEY FEATURES

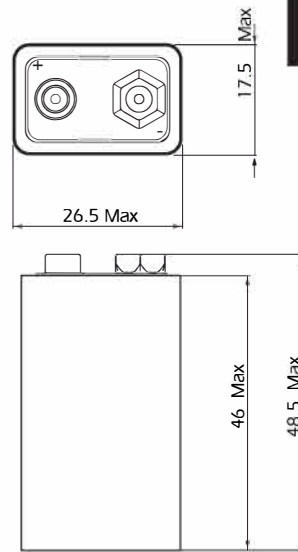
- ✓ High energy density
- ✓ Wide operating temperature range
- ✓ Lightweight
- ✓ Lasts up to 5X longer than 9V alkaline
- ✓ Stable operating voltage
- ✓ High pulse current capability
- ✓ Low self discharge rate

⚡ Underwriters Laboratories (UL)  
 Component Recognition  
 (File Number MH 46565)

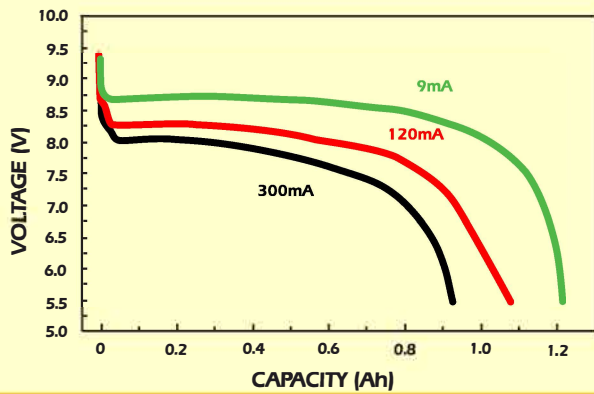
## MAIN APPLICATIONS

- ✓ Instrumentation
- ✓ Smoke detectors
- ✓ Music/audio devices
- ✓ Medical equipment
- ✓ Wireless equipment
- ✓ Active RFID
- ✓ GPS/GSM system

# CR9V-FP

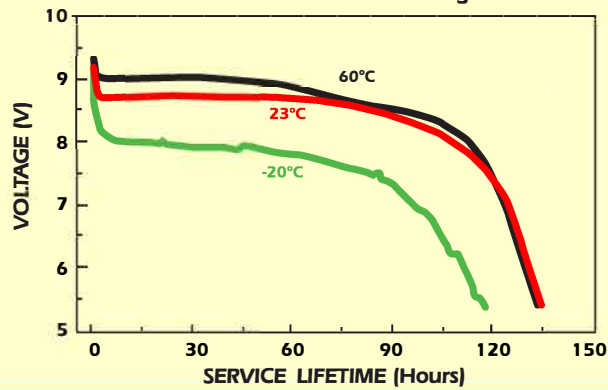


## Typical Continuous Discharge Capacity @ 25°



## Typical Discharge versus Temperature

900 Ω Continuous Discharge



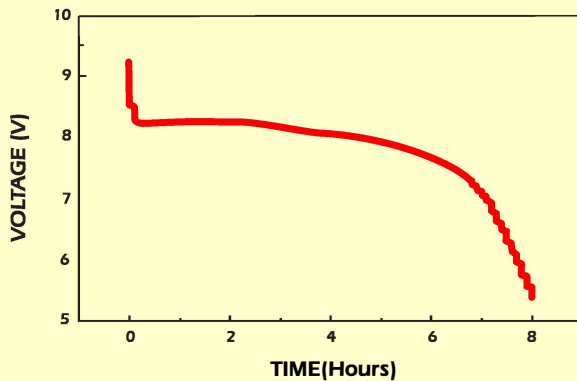
**Exterior/Housing:** Nickel-plated Steel

**Terminals/Connector:** Nickel-plated Miniature Snap

## Physical Characteristics

Length (max)	26.0 mm (1.023")
Width (max)	17.5 mm (0.688")
Height (max)	48.5 mm (1.909")
Weight (max)	40.0 g (1.410 oz)
Lithium content	0.93 g (0.032 oz)

## Typical 60Ω Continuous Discharge @25°C



## Short Circuit Temperature versus Current versus Time

