

# U9VL-J-P

## Technical Datasheet



### Features

- Designed for up to 10-year service life for certain devices, including most ionization-type smoke alarms\*
- High energy density, up to 5x more than alkaline, up to 10x more than carbon zinc
- High running voltage
- Flat discharge voltage curve
- Low impedance, better performance at low temperatures
- Advanced safety features - over current protection
- Lightweight - 18% less than alkaline
- Wide operating temperature range
- Meets ANSI Alkaline 1604 size specifications
- Low short circuit temperature

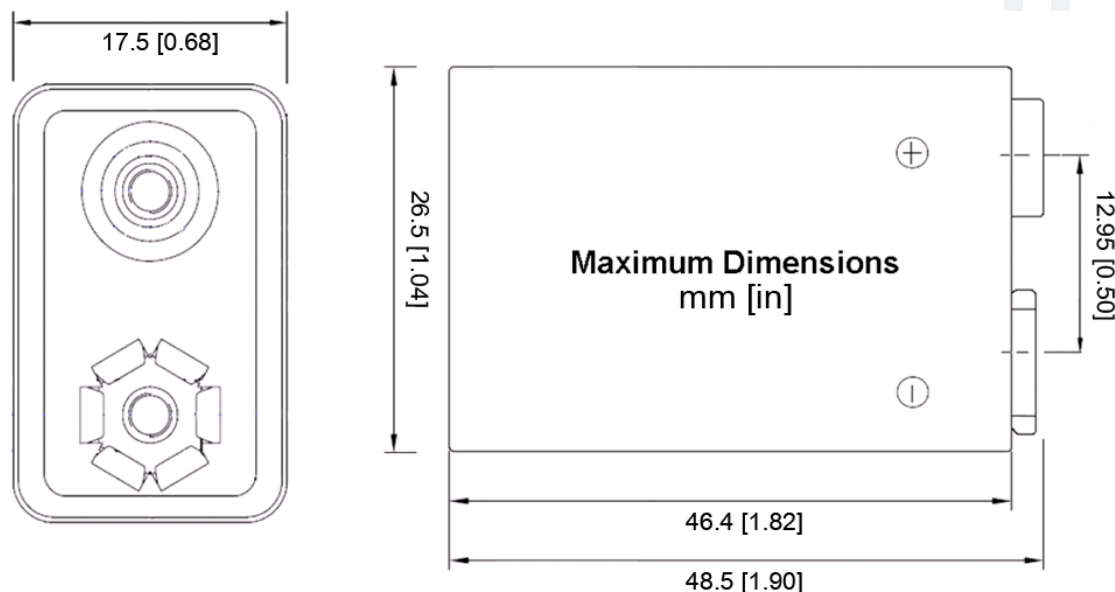
### Applications

- Smoke alarms
- Carbon-monoxide detectors
- Wireless security devices
- Music/audio devices
- Instrumentation
- Alkaline 9V replacement
- Medical devices

### Technical Specifications

|                       |                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part No.              | U9VL-J-P (see note 3)                                                                                                                                                                                                                                                                                      |
| NSN                   | U9VL-J-P: 6135-01-554-4281<br>U9VLJPFP: 6135-01-369-9792                                                                                                                                                                                                                                                   |
| Voltage Range         | 5.4 to 9.9V                                                                                                                                                                                                                                                                                                |
| Average Voltage       | 9.0V                                                                                                                                                                                                                                                                                                       |
| Nominal Capacity      | 1.2Ah @ 900 ohms to 5.4V @ 23°C                                                                                                                                                                                                                                                                            |
| Max. Discharge        | 500mA continuous                                                                                                                                                                                                                                                                                           |
| Pulse Capability      | 1A<br>Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife.                                                                                                                                                                                         |
| Weight                | 37g                                                                                                                                                                                                                                                                                                        |
| Operating Temperature | -20°C to 60°C                                                                                                                                                                                                                                                                                              |
| Storage Temperature   | -40°C to 60°C                                                                                                                                                                                                                                                                                              |
| Self Discharge        | < 1% per year at 23°C                                                                                                                                                                                                                                                                                      |
| Exterior/Housing      | Stainless steel / PVC label                                                                                                                                                                                                                                                                                |
| Terminals/Connector   | Ni-plated miniature snap                                                                                                                                                                                                                                                                                   |
| Safety                | UL Component Recognition - UL2054 & UL217<br>IEC 60086-4:2014<br>Material Safety Datasheet - MSDS00153<br>Safety Guide UBM-5135                                                                                                                                                                            |
| Transportation        | Excepted from regulations when packaged in container less than 2.5Kg (by air)                                                                                                                                                                                                                              |
| Protection            | PTC rated for 0.70A hold current at 23°C                                                                                                                                                                                                                                                                   |
| Note 1                | A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.                                                                                                                                                            |
| Note 2                | Industry designations: ANSI-1604 LC                                                                                                                                                                                                                                                                        |
| Note 3                | Packaging Options:<br>U9VLJPBK – Bulk, 680ct<br>U9VLJPBKNC – Bulk, no protective cap, 680 ct<br>U9VLJP10 – Bulk, 10 piece boxes, 100 ct<br>U9VLJP10CP – Contractor Pack, 10 piece, 100 ct<br>U9VLJPFP – Foil Pouch, 100ct<br>U9VLJPFP6 – Foil Pouch, 6 piece boxes, 48 ct<br>U9VLJPBP – Blister Pack, 48ct |

## Dimensions



## Performance Graphs

