

# 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

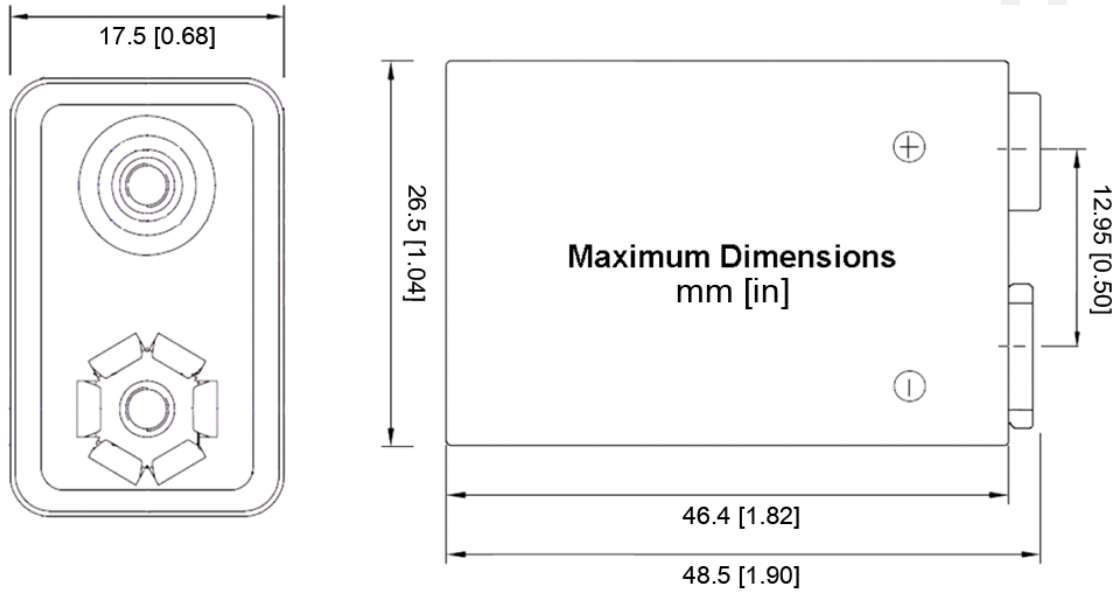
### Applications

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

### Technical Specifications

<b>Part No.</b>	U9VL-J-P (see note 3)
<b>NSN</b>	U9VL-J-P: 6135-01-554-4281 U9VLJPFP: 6135-01-369-9792
<b>Voltage Range</b>	5.4 to 9.9V
<b>Average Voltage</b>	9.0V
<b>Nominal Capacity</b>	1.2Ah @ 900 ohms to 5.4V @ +23°C
<b>Max. Discharge</b>	500mA continuous
<b>Pulse Capability</b>	1A Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife.
<b>Weight</b>	37g
<b>Operating Temperature</b>	-20°C to +60°C
<b>Storage Temperature</b>	-40°C to +60°C
<b>Self Discharge</b>	< 1% per year at +23°C
<b>Exterior/Housing</b>	Stainless steel / PVC label
<b>Terminals/Connector</b>	Ni-plated miniature snap
<b>Safety</b>	UL Component Recognition - UL 2054 & UL 217 IEC 60086-4:2014 Material Safety Datasheet - MSDS00153 Safety Guide UBM-5135
<b>Transportation</b>	UN 3090 Dangerous Good Class 9, Lithium Content >1.0g, <5.0g If packed in or with equipment (UN 3091) contact Ultralife for guidance or other questions. UN Testing Summary - UNTS-0022
<b>Protection</b>	PTC rated for 0.70A hold current at +23°C
<b>Note 1</b>	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.
<b>Note 2</b>	Industry designations: ANSI-1604 LC
<b>Note 3</b>	Packaging Options: U9VLJPBK – Bulk, 680ct U9VLJPBKNC – Bulk, no protective cap, 680 ct U9VLJP10 – Bulk, 10 piece boxes, 100 ct U9VLJP10CP – Contractor Pack, 10 piece, 100 ct U9VLJPFP – Foil Pouch, 100ct U9VLJPFP6 – Foil Pouch, 6 piece boxes, 48 ct U9VLJPBP – Blister Pack, 48ct

## Dimensions



## Performance Graphs

