ULTRALIFE
BATTERY & ENERGY PRODUCTS

U9VL-J-P
Technical Datasheet

Features

- Designed for up to 10-year sevice 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 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 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 IEC 60086-4:2014 Material Safety Datasheet - MSDS00153 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: 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

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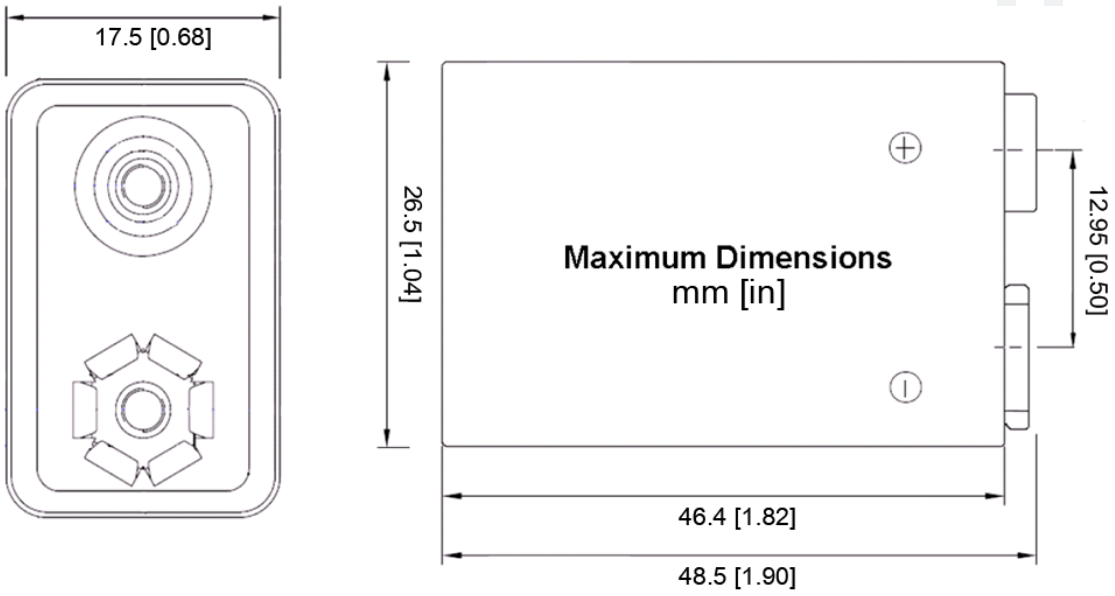
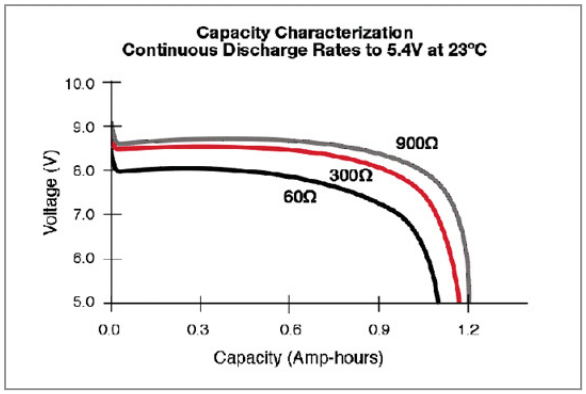
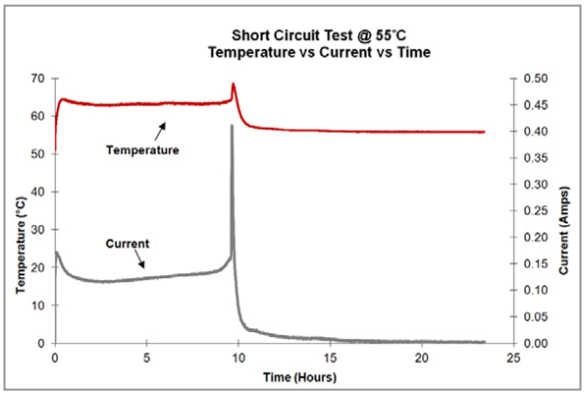
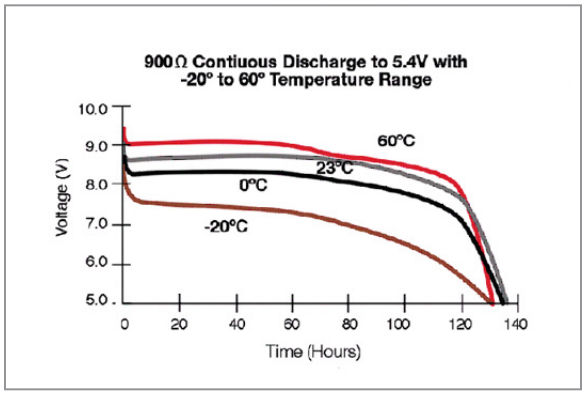
Dimensions



Performance Graphs







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