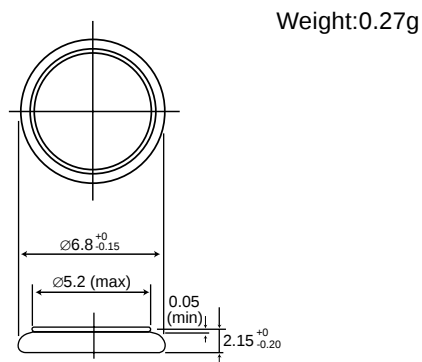


Vanadium Pentoxide Lithium Coin Batteries (VL Series): Individual Specifications

VL621

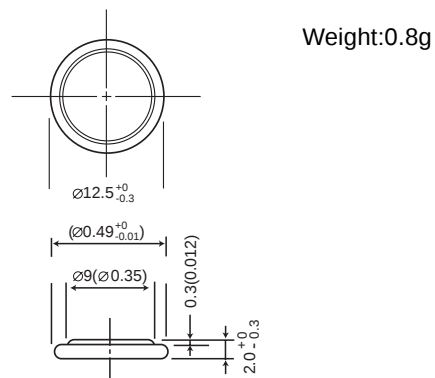
■ Dimensions(mm)



Note: This bare cell diagram is for size reference only. Please refer to the tab configurations at the end of this section for available tabs.

VL1220

■ Dimensions(mm)



Note: This bare cell diagram is for size reference only. Please refer to the tab configurations at the end of this section for available tabs.

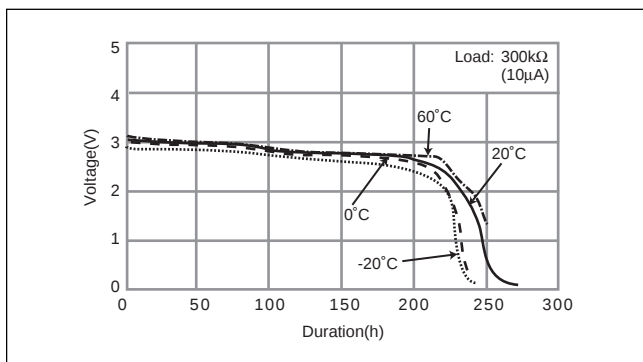
■ Specification

Nominal voltage (V)	3
Nominal capacity (mAh)	1.5
Continuous standard load (mA)	0.01
Operating temperature (C)	-20 ~ +60

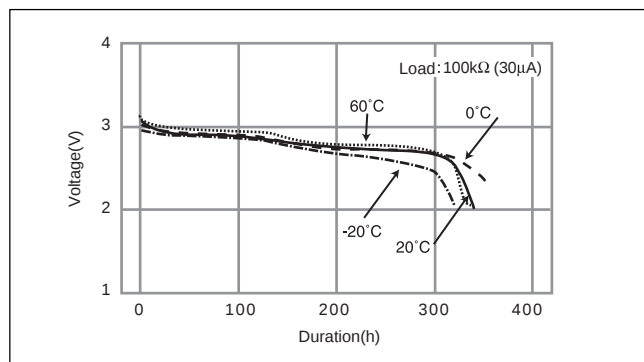
■ Specification

Nominal voltage (V)	3
Nominal capacity (mAh)	7.0
Continuous standard load (mA)	0.02
Operating temperature (C)	-20 ~ +60

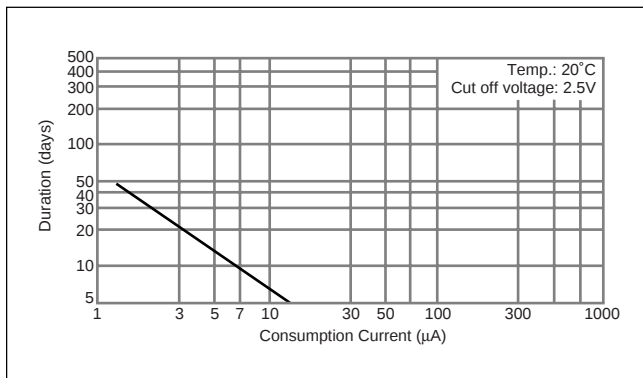
■ Discharge Temperature Characteristics



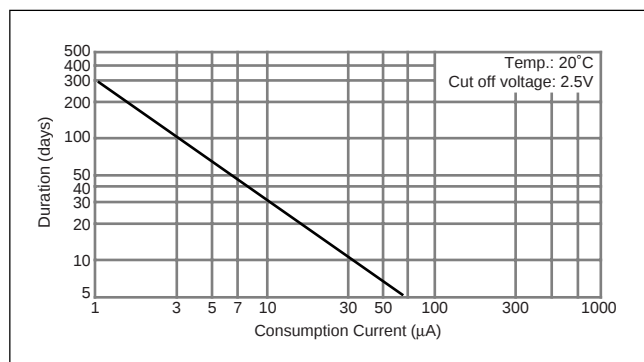
■ Discharge Temperature Characteristics



■ Consumption current vs. Duration time



■ Consumption current vs. Duration time



VL Series Tab Configurations

DIMENSIONS / MM (INCH)

Model No.	Dimensions/mm (inch)	Model No.	Dimensions/mm (inch)
VL621/F9D (1.5mAh)	Diagram 1 shows the dimensions for the VL621/F9D (1.5mAh) model. It includes a top view with a diameter of $\phi 6.8^{+0.15}_{-0.006}$ (0.27^{±0.006}), a maximum height of 9.9, and a width of 6 (0.24). The bottom view shows a width of 1.5±0.7 (0.06±0.03) and a height of 2.05 (0.08). The side view shows a width of 6 (0.24), a height of 0.45 (0.02), and a width of 2.15 (0.08).	VL1220/1HF (7mAh)	Diagram 2 shows the dimensions for the VL1220/1HF (7mAh) model. It includes a top view with a diameter of 13.5±1 and a height of 12.5. The bottom view shows a width of 10.0±0.5 and a height of 2.7. The side view shows a width of 10.0±0.5 and a height of 2.7. The diagram also shows the insulation wrap (brown) and the pre-soldered area.
VL1220/1VC (7mAh)	Diagram 3 shows the dimensions for the VL1220/1VC (7mAh) model. It includes a top view with a diameter of 12.5 (0.49) and a height of 2.0 (0.08). The bottom view shows a width of 3.25±0.5 (0.13±0.02) and a height of 2.5 (0.10). The side view shows a width of 3.5 (0.14) and a height of 0.2 (0.008).	VL1220/1FC (7mAh)	Diagram 4 shows the dimensions for the VL1220/1FC (7mAh) model. It includes a top view with a diameter of $\phi 12.5 \pm 0.3$ and a height of 4.5 ± 0.2. The bottom view shows a width of 16.25 ± 0.5 and a height of 2.7 ± 0.3. The side view shows a width of 16.25 ± 1 and a height of 2 ± 1.
VL1220/1FC2 (7mAh)	Diagram 5 shows the dimensions for the VL1220/1FC2 (7mAh) model. It includes a top view with a diameter of $\phi 12.5$ and a height of 16.25. The bottom view shows a width of 2 and a height of 2.7. The side view shows a width of 2 and a height of 2.7.	VL1220/1F5U	Diagram 6 shows the dimensions for the VL1220/1F5U model. It includes a top view with a diameter of $\phi 12.5$ and a height of 2.0. The bottom view shows a width of 2.3 max and a height of 2.25. The side view shows a width of 2.3 max and a height of 2.25.
VL2020/1VC (20mAh)	Diagram 7 shows the dimensions for the VL2020/1VC (20mAh) model. It includes a top view with a diameter of 20 (0.79) and a height of 2.0 (0.08). The bottom view shows a width of 10.2±0.5 (0.40±0.02) and a height of 2.7 (0.11). The side view shows a width of 5.0 (0.20) and a height of 0.2 (0.008).	VL2020/1GU7 (20mAh)	Diagram 8 shows the dimensions for the VL2020/1GU7 (20mAh) model. It includes a top view with a diameter of 20.5 (0.81) and a height of 20.5 (0.79). The bottom view shows a width of 7.8±0.5 (0.70±0.02) and a height of 2.7 (0.11). The side view shows a width of 10.9 (0.43) and a height of 0.2 (0.008).
VL2020/1HF (20mAh)	Diagram 9 shows the dimensions for the VL2020/1HF (20mAh) model. It includes a top view with a diameter of 20 (0.79) and a height of 2.0 (0.08). The bottom view shows a width of 20.5±0.5 (0.81±0.02) and a height of 2.7 (0.11). The side view shows a width of 7.7 (0.30) and a height of 0.2 (0.008).	VL2320/1VC (30mAh)	Diagram 10 shows the dimensions for the VL2320/1VC (30mAh) model. It includes a top view with a diameter of 23 (0.91) and a height of 2.0 (0.08). The bottom view shows a width of 10.2±0.5 (0.40±0.02) and a height of 2.7 (0.11). The side view shows a width of 5.0 (0.20) and a height of 0.2 (0.008).