

Vanadium Pentoxide Lithium Rechargeable Batteries (VL Series):

TAB CONFIGURATIONS

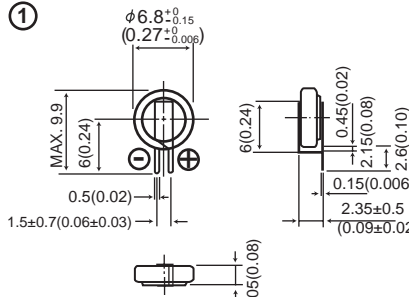
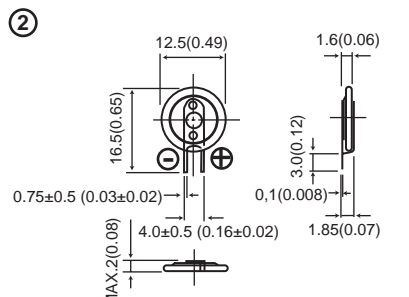
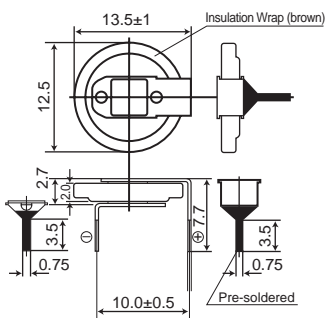
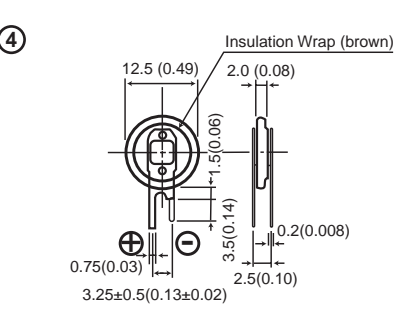
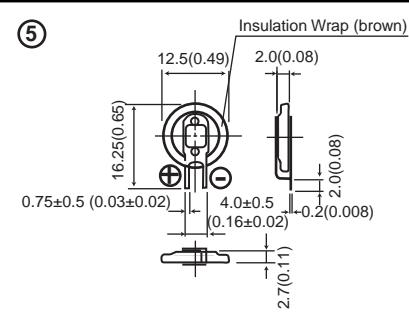
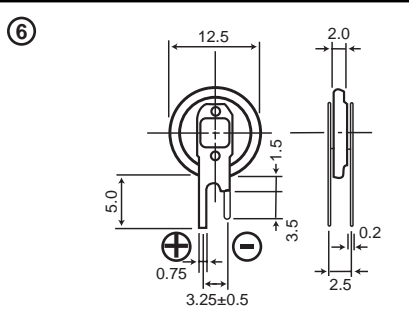
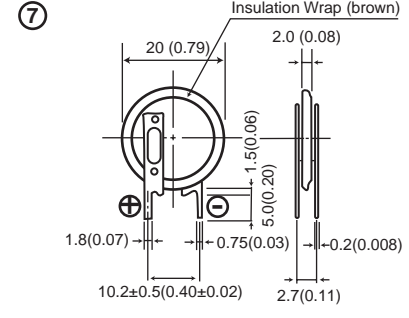
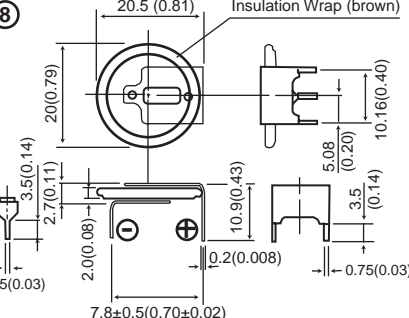
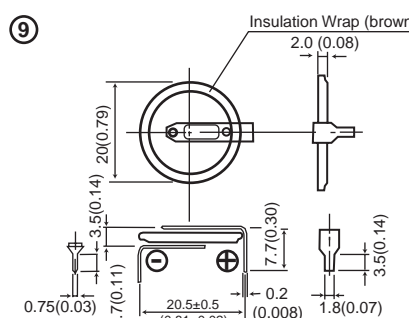
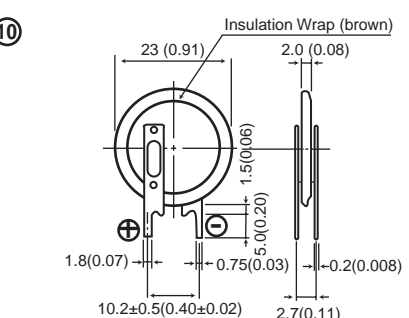
| Model No. | Tab Type | | Configuration Diagram No. | Nominal | |
|-----------|----------------------|-------------------------|---------------------------|-------------|----------------|
| | With Insulation Wrap | Without Insulation Wrap | | Voltage (V) | Capacity (mAh) |
| VL621 | | /F9D | 1 | 3 | 1.5 |
| VL1216 | | /IF5U | 2 | 3 | 5 |
| VL1220 | /IHF | | 3 | 3 | 7 |
| | /IVC | | 4 | 3 | 7 |
| | /IFC | | 5 | 3 | 7 |
| | | /IF5U | 6 | 3 | 7 |
| VL2020 | /IVC | | 7 | 3 | 20 |
| | /IGU7 | | 8 | 3 | 20 |
| | /IHF | | 9 | 3 | 20 |
| VL2320 | /IVC | | 10 | 3 | 30 |
| | /IHF | | 11 | 3 | 30 |
| | /IF2 | | 12 | 3 | 30 |
| VL2330 | /IVC | | 13 | 3 | 50 |
| | /IHF | | 14 | 3 | 50 |
| | /IF3 | | 15 | 3 | 50 |
| VL3032 | | /IGUF | 16 | 3 | 100 |
| | /IF2 | | 17 | 3 | 100 |

Notes:

- A) To ensure proper electrical contact, it is recommended that rechargeable coin cell batteries be used with tabs for PC Board mounting. Please consult Panasonic before planning a design that will use bare coin cells without tabs (e.g. using a holder).
- B) Please contact Panasonic for requests on custom tab configurations. Minimum order requirements may apply.

VL Series Tab Configurations

DIMENSIONS / MM (INCH)

| Model No. | Dimensions/mm (inch) | Model No. | Dimensions/mm (inch) |
|-----------------------|---|------------------------|---|
| VL621/F9D (1.5mAh) |  | VL1216/1F5U (5mAh) |  |
| VL1220/1HF (7mAh) |  | VL1220/1VC (7mAh) |  |
| VL1220/1FC (7mAh) |  | VL1220/1F5U |  |
| VL2020/1VC (20mAh) |  | VL2020/1GU7 (20mAh) |  |
| VL2020/1HF (20mAh) |  | VL2320/1VC (30mAh) |  |

VL Series Tab Configurations

DIMENSIONS / MM (INCH) cont.

| Model No. | Dimensions/mm (inch) | Model No. | Dimensions/mm (inch) |
|--------------------------------------|----------------------|---------------------------------------|----------------------|
| VL2320/1HF (30mAh) | | VL2320/1F2 (30mAh) | |
| VL2330/1VC (50mAh) | | VL2330/1HF (50mAh) | |
| VL2330/1F3 (50mAh) | | VL3032/1GUF (100mAh) | |
| VL3032/1F2 (100mAh) | | | |
| | | | |