

**LITHIUM - Coin Type: High Operating Temperature**

Panasonic's coin type high operating temperature lithium batteries are high energy, high reliability batteries for applications that require a wider operating temperature range. The full 3 volts in these high energy density batteries is about twice that of conventional dry batteries.



These batteries are for applications exposed to extended temperature ranges and harsh operating conditions.

**Features:**

- A wide operational temperature range: -40°C (-40°F) ~ 125°C (257°F)
- Good storage stability (max. 0.5% loss at ambient T°)
- Constant operating voltage
- Excellent leakage resistance
- Available with tab terminals for PCB mounting

**Applications:**

- Automotive electric systems
- Tollway transponders
- RFID

**Technical Data - High Temperature Coin Cell**

| Model Number                         | Nominal Voltage (V) | Nominal Capacity (mAh) | Dimensions (mm)   |        | Basic Battery Weight (g) | Tab Configurations |
|--------------------------------------|---------------------|------------------------|-------------------|--------|--------------------------|--------------------|
|                                      |                     |                        | External Diameter | Height |                          |                    |
| <a href="#">BR1225A</a>              | 3                   | 48                     | 12.5              | 2.5    | 0.8                      |                    |
| <a href="#">BR1632A</a>              | 3                   | 120                    | 16.0              | 3.2    | 1.5                      |                    |
| <a href="#">BR2330A</a>              | 3                   | 255                    | 23.0              | 3.0    | 3.2                      |                    |
| <a href="#">BR2450A</a> <sup>1</sup> | 3                   | 550                    | 24.5              | 5.0    | 5.0                      |                    |

|                         |   |      |      |     |     |
|-------------------------|---|------|------|-----|-----|
| <a href="#">BR2477A</a> | 3 | 1000 | 24.5 | 7.7 | 8.0 |
|-------------------------|---|------|------|-----|-----|

1. Please contact Panasonic for the latest information on this model.

**Technical Data - Table 2 - Tab Configurations and Distributor Inventory**

| Model No.                  | Tab Description Drawing  |  |
|----------------------------|--|--|
| <a href="#">BR1225A/FA</a> | 2 Pin, flat mount (with insulation wrap)                       |  |
| <a href="#">BR1225A/HB</a> | 2 Pin, horizontal mount, through holes, (with insulation wrap) |  |
| <a href="#">BR1632A/FA</a> | 2 Pin, flat mount (with insulation wrap)                       |  |
| <a href="#">BR1632A/GA</a> | 3 Pin, horizontal mount, through hole, (w/o insulation wrap)   |  |
| <a href="#">BR1632A/HA</a> | 2 Pin, horizontal mount , through hole, (with insulation wrap) |  |
| <a href="#">BR1632A/VA</a> | 2 Pin, vertical mount , through hole, (with insulation wrap)   |  |
| <a href="#">BR2330A/FA</a> | 2 Pin, flat mount (with insulation wrap)                       |  |
| <a href="#">BR2330A/GA</a> | 3 Pin, horizontal mount, through hole, (w/o insulation wrap)   |  |
| <a href="#">BR2330A/HD</a> | 2 Pin, horizontal mount , through hole, (with insulation wrap) |  |
| <a href="#">BR2330A/VA</a> | 2 Pin, vertical mount, through hole, (with insulation wrap)    |  |
| <a href="#">BR2477A/FB</a> | 2 Pin, flat mount, (with insulation wrap)                      |  |
| <a href="#">BR2477A/GA</a> | 3 Pin, horizontal mount, through hole, (with insulation wrap)  |  |
| <a href="#">BR2477A/HB</a> | 2 Pin, horizontal mount, through hole, (with insulation wrap)  |  |
| <a href="#">BR2477A/VA</a> | 2 Pin, vertical mount, through hole, (with insulation wrap)    |  |

