

## DATA SHEET

### NO MERCURY ADDED

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>               | Mercury & Cadmium Free Alkaline Manganese Battery, 9V                                                                     |
| <b>Chemical System</b>           | Alkaline Manganese                                                                                                        |
| <b>Nominal Voltage</b>           | 9.0 Volts                                                                                                                 |
| <b>Nominal Dimensions</b>        | Refer to drawing                                                                                                          |
| <b>Terminals</b>                 | Protruded positive (+) and flat negative (-) contacts                                                                     |
| <b>Jacket</b>                    | Foil jacket                                                                                                               |
| <b>Applications</b>              | All electronic devices, e.g. transistor radios, cassette recorders, toys, alarm clocks, lighting & torches, portable fans |
| <b>Ambient Temperature Range</b> | Operation: -18°C ~ 50°C<br>Recommended: 10°C ~ 25°C<br>Storage: Not exceed 30°C                                           |
| <b>Shelf Life</b>                | 5 years                                                                                                                   |
| <b>Approx. Weight</b>            | 47g                                                                                                                       |

### Cross References:

| GP    | JIS               | IEC               | Eveready | Duracell |
|-------|-------------------|-------------------|----------|----------|
| 1604A | 6LP3146/<br>6LR61 | 6LP3146/<br>6LR61 | 522      | MN1604   |

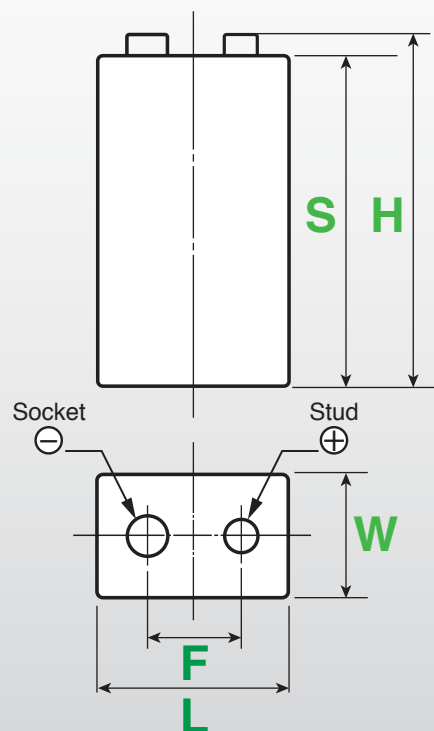
### Discharge curve:

#### Remarks

- 1) Store period before test shall be under 20±2°C, RH 55±20% within 30 days of manufacture.
- 2) Batteries shall not leak during the service life test before the end voltage reached.



Model No.: **GP1604A**



| / | min   | max   |
|---|-------|-------|
| H | 46.5  | 48.5  |
| S | 43.7  | 44.7  |
| F | 12.45 | 12.95 |
| L | 25.3  | 26.1  |
| W | 16.3  | 17.1  |

Dimension : mm

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