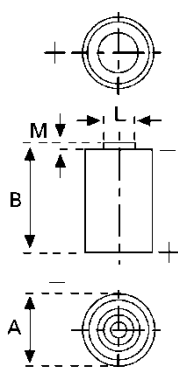


**Data Sheet**


|                                    |                                               |
|------------------------------------|-----------------------------------------------|
| <b>Type Number</b> .....           | 6117                                          |
| <b>Designation IEC</b> .....       | ---                                           |
| <b>System</b> .....                | Li-Manganese dioxide /<br>Organic Electrolyte |
| <b>UL Recognition</b> .....        | MH 13654 (N)                                  |
| <b>Nominal Voltage</b> .....       | 3 V                                           |
| <b>Typical Capacity C</b> .....    | 2000 mAh                                      |
| Load 1.0 kOhm, at 20°C down to 2 V |                                               |
| <b>Weight (approx.)</b> .....      | 21,5 g                                        |
| <b>Volume</b> .....                | 8,5 ccm                                       |
| <b>Coding</b> .....                | Date of Manufacturing<br>Month / Year         |
| <b>Temperature Ranges</b>          | min max.                                      |
| Storage .....                      | -55°C 70°C                                    |
| Discharge .....                    | -30°C 75°C*                                   |
| <b>Dimensions</b>                  | min max.                                      |
| Diameter (A) .....                 | 14,45 14,75                                   |
| Height (B) .....                   | 49,50 50,50                                   |
| Shoulder Diameter[L].....          | 7,00                                          |
| Shoulder Height [M].....           | 0,60                                          |

**Typical Capacities (at 20°C)**

| Discharge Type            | Load   | End Voltage:    | 2.0 V |
|---------------------------|--------|-----------------|-------|
| Continuous<br>24h/d, 7d/w | 1000 Ω | Time:           | 745 h |
|                           |        | Capacity [mAh]: | 2000  |
|                           |        | Energy [mWh]:   | 5600  |
| Discharge Type            | Load   | End Voltage:    | 2.0 V |
| Continuous<br>24h/d, 7d/w | 620 Ω  | Time:           | 430 h |
|                           |        | Capacity [mAh]: | 1850  |
|                           |        | Energy [mWh]:   | 5000  |

\* Contact VARTA if the application is intended to be outside the range of -30°C to +75°C.

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For most current information and further details, please contact your VARTA representative.

**VARTA Microbattery GmbH, Daimlerstr. 1, D-73479 Ellwangen/Jagst**

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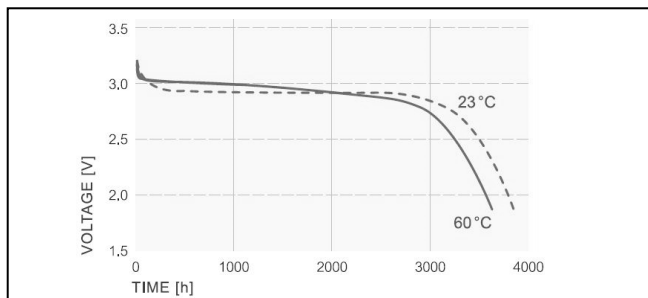
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Date of issue: 2014-09-16

## Data Sheet

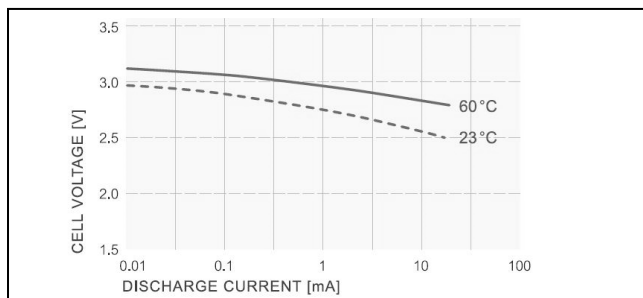
### Performance Data:

- Temperature Characteristics\***



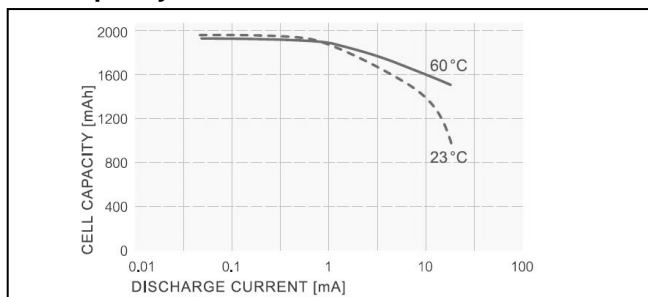
\*Discharge Load 5.6 kΩ

- Operating Voltage vs. load resistance\***

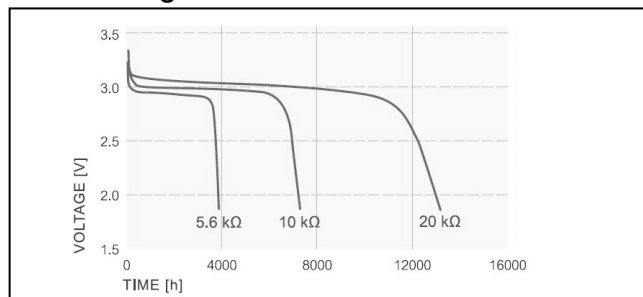


\*Discharge depth 50%

- Capacity vs. load resistance**



- Discharge Characteristics\***



\* at room temperature 21°C

- Self-discharge rate < 1% at room temperature
- Storage life > 10 years
- Operating life\* > 10 years

\* depending on environmental condition and energy consumption

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