Data Sheet

Type Number ................................. 6450
Designation IEC ............................ CR 2450
System ......................................... Li-Manganese dioxide / Organic Electrolyte

UL Recognition: .............................. MH 13654
Nominal Voltage ............................. 3 V
Typical Capacity C ......................... 590 mAh
Load 5.6 kΩhm, at 20°C down to 2 V

Weight (approx.) .............................. 6.2 g
Volume ........................................ 2.3 ccm
Coding ........................................... Date of Manufacturing Month/Year

Temperature Ranges
Storage ........................................ -55°C 70°C
Discharge ..................................... -20°C 70°C*

Dimensions
Diameter (A) .................................. 24.2 24.5
Height (B) ...................................... 4.6 5.0
Shoulder Diameter (E) ......................

Segment ......................................... Electronic

Main Applications ............................ Watches, Digicams, Electronics

Typical Capacities (at 20°C)

<table>
<thead>
<tr>
<th>Discharge Type</th>
<th>Load</th>
<th>End Voltage: 2.0 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous</td>
<td>5600 Ω</td>
<td>Time: 1175 h</td>
</tr>
<tr>
<td>24h/d, 7d/w</td>
<td></td>
<td>Capacity [mAh]: 590</td>
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<tr>
<td></td>
<td></td>
<td>Energy [mWh]: 1640</td>
</tr>
</tbody>
</table>

* Contact VARTA if the application is intended to be outside the range of -20°C to +70°C.

All Data contained herein is for single cells
For battery applications, performance data may vary from single cell data, depending on specific battery configuration

Subject to change without prior notice!

Date of issue: 2014_07_16
Performance Data:

- **Temperature Characteristics**
  - Operation voltage vs. load resistance
  - Capacity vs. load resistance

- **Operating Voltage vs. load resistance**
  - Discharge depth 50%

- **Capacity vs. load resistance**

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

* depending on environmental conditions and energy consumption