CR 2450
Lithium Manganese Dioxide

Data Sheet

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

UL Recognition: ................................. MH 13654 (N)
Nominal Voltage ................................. 3 V
Typical Capacity C ............................... 620 mAh
Load 5.6 kOhm, at 20°C down to 2 V
Maximum Pulse Discharge ........................ 50mA 3s **

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) ....................................... min  max.
24,20  24,70
Height (B) .......................................... 4,60  5,00
Shoulder Diameter[E] ............................ 21,00

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: 1250h</td>
</tr>
<tr>
<td>24h/d, 7d/w</td>
<td></td>
<td>Capacity [mAh]: 620</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Energy m[Wh]: 1730</td>
</tr>
</tbody>
</table>

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

** for tracking, sensors, communication, IoT; contact VARTA for more information and design In support

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Date of issue: 2020-05-04
Performance Data:

- Temperature Characteristics*
  ![Temperature Characteristics Graph]

- Operating Voltage vs. load resistance*
  ![Operating Voltage Graph]

- Capacity vs. load resistance
  ![Capacity Graph]

- Self-discharge rate < 1% at room temperature
- Storage life > 10 years
- Operating life* > 10 years
  * depending on environmental condition and energy consumption