Data Sheet

Type Number .........................  6220
Designation IEC ......................  CR 1220
System ...............................  Li-Manganese dioxide / Organic Electrolyte

UL Recognition......................  MH 13654 (N)
Nominal Voltage .....................  3 V
Typical Capacity C ..................  35 mAh
Load 39 kOhm, at 20°C down to 2 V

Weight (approx.) .....................  0.8 g
Volume ...............................  0.2 ccm
Coding ...............................  Date of Manufacturing Month/Year

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

Dimensions
Diameter (A) ........................  12.20  12.50
Height (B) ..........................  1.80  2.00
Shoulder Diameter [E] .............  10.00
Shoulder Height [C] ...............  0.30

Typical Capacities (at 20°C)

<table>
<thead>
<tr>
<th>Discharge Type</th>
<th>Load</th>
<th>End Voltage</th>
<th>2.0 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous</td>
<td>39000 Ω</td>
<td>Time: 480 h</td>
<td></td>
</tr>
<tr>
<td>24h/d, 7d/w</td>
<td></td>
<td>Capacity [mAh]: 35</td>
<td></td>
</tr>
<tr>
<td>Current [µA]:</td>
<td></td>
<td>Energy [mWh]: 100</td>
<td></td>
</tr>
</tbody>
</table>

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

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Performance Data:

- **Temperature Characteristics**

- **Operating Voltage vs. load resistance**

  ![Temperature Characteristics](image)

  ![Operating Voltage vs. load resistance](image)

- **Capacity vs. load resistance**

- **Discharge Characteristics**

  ![Capacity vs. load resistance](image)

  ![Discharge Characteristics](image)

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

  * depending on environmental condition and energy consumption