MODEL TL-7903
RAPID RESPONSE & LONG OPERATING LIFE

TECHNICAL DATA
(Typical values @+25°C for batteries stored for one year or less)

- International size reference: AA, ER14505
- Rated voltage: 3.6 V
- Nominal capacity @ 1 mA, to 2V: 2.4 Ah
- Voltage delay @ 30 mA to 3.0 V: No Delay
- Weight: 18 g (0.634 oz)
- Volume: 8 cc
- Operating temperature range: -55 ºC to +85 ºC
- Li metal content: approx. 0.65 g
- UN / DOT 38.3 Certified
- UL Recognized, File MH12193

ADVANTAGES
- Fast discharge conditions
- Quick life time testing
- More economical design by:
  - reduction in the use or size of capacitors
  - possibility of using smaller battery size

CONSTRUCTION
- Bobbin construction
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Low self-discharge rate

STORAGE CONDITIONS
- Cells should be stored in a clean & dry (less than 30 %RH) area

For updated information please visit our website www.tadiranbat.com

Note: Any presentations in this data sheet concerning performance are for information purpose only and are not construed as warranties either expressed or implied, of future performance.
MODEL TL-7903

CELL FEATURES

- 3.6 V Primary lithium-thionyl chloride (Li-SOCl2)
- No voltage delay / Rapid voltage response
- Fast discharge rates
- High pulse capability
- High energy density
- High and stable operating voltage
- Low self discharge
- Long shelf life

TMV AFTER 1 YEAR STORAGE @ +25 °C

<table>
<thead>
<tr>
<th>Pulse Duration [ms]</th>
<th>1</th>
<th>10</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 mA pulse</td>
<td>3.45</td>
<td>3.25</td>
<td>3.15</td>
<td>3.00</td>
</tr>
<tr>
<td>10 mA</td>
<td>3.50</td>
<td>3.30</td>
<td>3.10</td>
<td>3.00</td>
</tr>
<tr>
<td>20 mA</td>
<td>3.55</td>
<td>3.35</td>
<td>3.15</td>
<td>3.00</td>
</tr>
<tr>
<td>30 mA</td>
<td>3.60</td>
<td>3.40</td>
<td>3.20</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Nominal Self Discharge

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>0</th>
<th>20</th>
<th>40</th>
<th>60</th>
<th>80</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCV</td>
<td>0.0</td>
<td>2.0</td>
<td>4.0</td>
<td>6.0</td>
<td>8.0</td>
<td>10.0</td>
</tr>
<tr>
<td>10 μA</td>
<td>2.0</td>
<td>4.0</td>
<td>6.0</td>
<td>8.0</td>
<td>10.0</td>
<td>12.0</td>
</tr>
<tr>
<td>20 μA</td>
<td>2.5</td>
<td>5.0</td>
<td>7.5</td>
<td>10.0</td>
<td>12.5</td>
<td>15.0</td>
</tr>
<tr>
<td>50 μA</td>
<td>3.0</td>
<td>6.0</td>
<td>9.0</td>
<td>12.0</td>
<td>15.0</td>
<td>18.0</td>
</tr>
</tbody>
</table>

TMV after 2 years storage @ +25 °C

<table>
<thead>
<tr>
<th>Pulse Duration [ms]</th>
<th>1</th>
<th>10</th>
<th>100</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 mA pulse</td>
<td>3.45</td>
<td>3.25</td>
<td>3.15</td>
<td>3.00</td>
</tr>
<tr>
<td>10 mA</td>
<td>3.50</td>
<td>3.30</td>
<td>3.10</td>
<td>3.00</td>
</tr>
<tr>
<td>20 mA</td>
<td>3.55</td>
<td>3.35</td>
<td>3.15</td>
<td>3.00</td>
</tr>
<tr>
<td>30 mA</td>
<td>3.60</td>
<td>3.40</td>
<td>3.20</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Note: Any presentations in this data sheet concerning performance are for information purpose only and are not construed as warranties either expressed or implied, of future performance.