MODEL TL-5930

International size reference: D, ER32L615

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

- Nominal capacity @ 4 mA, to 2 V: 19 Ah
- Rated voltage: 3.6 V
- Maximum recommended continuous current: 230 mA
- Maximum pulse current capability: 500 mA
- Weight: 93 g (3.28 oz)
- Volume: 51 cc
- Operating temperature range: -55 ºC to +85 ºC
- Li metal content: approx. 5 g

U.L. Component Recognition, MH 12193

TERMINATIONS & ORDERING NO.

SUFX-/S STANDARD 15-5930-21500
SUFX-/T SOLDER TABS 15-5930-31500

Volts

DISCHARGE CHARACTERISTICS @ +25°C

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.3 V</td>
<td>100 mA</td>
<td>9.0 Ah</td>
</tr>
<tr>
<td>3.6 V</td>
<td>50 mA</td>
<td>13.1 Ah</td>
</tr>
<tr>
<td>3.9 V</td>
<td>20 mA</td>
<td>16.9 Ah</td>
</tr>
<tr>
<td>4.2 V</td>
<td>10 mA</td>
<td>18.2 Ah</td>
</tr>
<tr>
<td>4.5 V</td>
<td>5 mA</td>
<td>19.0 Ah</td>
</tr>
<tr>
<td>4.8 V</td>
<td>1 mA</td>
<td>18.2 Ah</td>
</tr>
</tbody>
</table>

Volts

VOLTAGE VS. TEMPERATURE

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Temperature</th>
<th>0 °C</th>
<th>25 °C</th>
<th>55 °C</th>
<th>72 °C</th>
<th>-30 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7 V</td>
<td>50 µA</td>
<td>3.65</td>
<td>3.67</td>
<td>3.69</td>
<td>3.70</td>
<td>3.67</td>
</tr>
<tr>
<td>3.5 V</td>
<td>100 µA</td>
<td>3.6</td>
<td>3.63</td>
<td>3.66</td>
<td>3.67</td>
<td>3.65</td>
</tr>
<tr>
<td>3.3 V</td>
<td>0.5 mA</td>
<td>3.5</td>
<td>3.56</td>
<td>3.59</td>
<td>3.61</td>
<td>3.57</td>
</tr>
<tr>
<td>3.1 V</td>
<td>2 mA</td>
<td>3.4</td>
<td>3.46</td>
<td>3.49</td>
<td>3.51</td>
<td>3.48</td>
</tr>
<tr>
<td>2.9 V</td>
<td>20 mA</td>
<td>3.3</td>
<td>3.35</td>
<td>3.39</td>
<td>3.42</td>
<td>3.39</td>
</tr>
<tr>
<td>2.7 V</td>
<td>100 mA</td>
<td>3.2</td>
<td>3.24</td>
<td>3.28</td>
<td>3.31</td>
<td>3.28</td>
</tr>
</tbody>
</table>

Ah

CAPACITY VS. CURRENT

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.

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VOLTAGE RESPONSE AFTER STORAGE

After 1 year
After 2 years
After 5 years
After 8 years
After 10 years

2.2
2.4
2.6
2.8
3.0
3.2
3.4

0 200 400 600 800 1000 1200 msec
Volts

Pulse applied: 60 mA for 100 msec
Temperature: RT
Background current: 50 µA

Pulse applied: 60 mA for 1 sec
Storage: RT
Background current: None

CELL FEATURES

- 3.6 V Primary lithium-thionyl chloride (Li-SOCl2)
- Fast voltage recovery after long term storage and/or usage
- High energy density
- Low self discharge rate
- Bobbin construction
- Hermetic glass-to-metal-sealing
- Non-flammable electrolyte
- Restricted for transportation (Class 9 worldwide)
- Non-restricted within the US

MAIN APPLICATIONS

- Utility meters (elect., water & gas)
- Automatic meter reading
- RF systems
- Sensors & monitoring systems
- Tracking systems
- Wireless security systems
- Automotive electronics
- Industrial electronics
- Ultra Low Power (ULP) devices
- Others

STORAGE CONDITIONS

- Cells should be stored in a clean & dry (less than 30 % RH) area
- Temp. should not exceed +30 ºC

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

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