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

- Capacity to 3.0V (@250mA @1% duty cycle) 1.65 Ah
- Nominal voltage 3.6 V
- Maximum 1 second pulse to 3.0V 1 A
- Maximum pulse length @125mA to 2.8V 1000 sec
- Delay time to 3.0V @125mA No Delay
- Weight 35 gr
- Operating temperature range -40ºC to +85ºC
- Capacity retention after 10 years 85%

VOLTAGE VS. PULSE DURATION

Diameter (max.) – 16.5 mm
Length (max.) – 58 mm

Min. Voltage vs. Temp. for 1 sec Pulse

Max. Pulse Width to Min. Voltage of 2.8V

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

MODEL TLP-97311/A/SM

The battery is designed specifically for applications requiring low background currents combined with high current pulses. The Pulses Plus™ battery combines the inherent benefits of bobbin type Lithium Thionyl Chloride cell with a novel hermetically sealed Hybrid Layer Capacitor (HLC). The addition of the HLC enhances the performance of the Lithium Thionyl Chloride cell to meet large pulse current requirements, thus providing greater performance and safety in comparison to jellyroll construction (spirally wound) type batteries.

* The PTC is optional and not necessary in many cases.

**DISCHARGE CHARACTERISTICS @ +25ºC**

<table>
<thead>
<tr>
<th>Resistance</th>
<th>Current</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 KΩ</td>
<td>~3 mA</td>
<td>(1.0 Ah)</td>
</tr>
<tr>
<td>6.8 KΩ</td>
<td>~0.5 mA</td>
<td>(1.65 Ah)</td>
</tr>
<tr>
<td>18 KΩ</td>
<td>~0.2 mA</td>
<td>(1.61 Ah)</td>
</tr>
<tr>
<td>100 KΩ</td>
<td>~36 μA</td>
<td>(1.48 Ah)</td>
</tr>
<tr>
<td>180 KΩ</td>
<td>~20 μA</td>
<td>(1.44 Ah)</td>
</tr>
</tbody>
</table>

**Self Discharge vs. Temperature**

- Maximum
- Typical

**Capacity vs. Current**

-30°C
-0°C
25°C
50°C
72°C

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