### Physical Properties

- **Rated Voltage**: 2.8 V
- **Max. Voltage**: 3.0 V
- **Capacitance Tolerance**: 0% / +20%
- **Operating temperature range**: -40°C to 65°C
- **Storage temperature range**: -40°C to 70°C
- **Endurance Life (65°C)**: 1,500 Hours
- **Capacitance change**: Within 30% of initially specified value
- **ESR change**: Within 150% of initially specified value
- **Projected Life Time (25°C)**: 10 Years at rated voltage
- **Capacitance change**: Within 30% of initially specified value
- **ESR change**: Within 150% of initially specified value
- **Projected Cycle Life (25°C)**: 1,000,000 Cycles
- **Capacitance change**: Within 30% of initially specified value
- **ESR change**: Within 150% of initially specified value
- **Shelf Life (25°C)**: 4 Years stored uncharged state

### Specification

<table>
<thead>
<tr>
<th>Part number</th>
<th>Capacitance (F)</th>
<th>Max ESR (mΩ)</th>
<th>Max. Current (A)</th>
<th>Leakage Current (mA)</th>
<th>Max. Stored Energy (Wh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSUC 002R8P 3000F EA</td>
<td>3000</td>
<td>0.36</td>
<td>2.019</td>
<td>&lt; 5</td>
<td>3.26</td>
</tr>
</tbody>
</table>

### Standard Ratings

<table>
<thead>
<tr>
<th>Part number</th>
<th>Dimension (mm)</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSUC 002R8P 3000F EA</td>
<td>D (+1)</td>
<td>W (+ 1)</td>
</tr>
</tbody>
</table>

*Remark
1) Non-repeated, not to exceed 1sec.
2) Actual cycle value can be subject to various application conditions.