### FEATURES

- High Voltage
- Very Fast Charge/Discharge
- High Power Density
- RoHS Compliant

### APPLICATIONS

- Solar/Wind Energy Storage
- Pulse Power
- Energy Harvesting
- UPS Systems
- Smart Electric Meters

### Operating Temperature Range

<table>
<thead>
<tr>
<th></th>
<th>-25°C to +60°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>-40°C to +70°C</td>
</tr>
<tr>
<td>Capacitance Tolerance @ 20°C</td>
<td>+20% / -20%</td>
</tr>
</tbody>
</table>

### Surge Voltage

<table>
<thead>
<tr>
<th></th>
<th>WVDC</th>
<th>SVDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>3.8</td>
<td>4.2</td>
</tr>
</tbody>
</table>

### Life Time

1000 hours with rated voltage applied at 60°C

- Capacitance change: ±50% of initially measured values
- ESR: <1000% of initially specified values
- Leakage current: ≤100% specified maximum value

### Shelf Life

1000 hours with no voltage applied at 60°C

- Capacitance change: ±30% of initially measured values
- ESR: <200% of initially specified values

### Life Cycles

(25°C) 250,000 cycles = Charge / Discharge from 3.8~2.5VDC

- Capacitance change: ±30% of initially measured values
- ESR change: <200% of initially specified values

### Lead spacing VS. Case diameter

<table>
<thead>
<tr>
<th>Case Diameter</th>
<th>10</th>
<th>12.5</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>5.0</td>
<td>5.0</td>
<td>7.5</td>
</tr>
<tr>
<td>S</td>
<td>0.6</td>
<td>0.6</td>
<td>0.8</td>
</tr>
<tr>
<td>d</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

L₁=L+α mm
D₁=D+0.5mm
S₁=S±0.5mm

D = 10 to 16mm