### FEATURES
- High Voltage – Very Fast Charge/Discharge – High Power Density – Lower ESR
- RoHS Compliant

### APPLICATIONS

#### Operating Temperature Range
| Operating Temperature Range | -40°C to +65°C (-40 to +85°C @ 2.5V) |

#### Storage Temperature
| Storage Temperature | -40°C to +70°C |

#### Capacitance Tolerance @ 20°C
| Capacitance Tolerance | +30%/-10% (Q tolerance) |

#### Surge Voltage
| Surge Voltage | WVDC 3 | SVDC 3.2 |

#### Life Time
- 1000 hours with rated voltage applied at 65°C
  - Capacitance change: ±30% of initially measured values
  - ESR: <200% 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) 1 cycle= Charge to WVDC for 20s, constant voltage charging for 10s, discharge to 1% WVDC for 20s, rest for 10s
- 500,000 cycles
  - Capacitance change: ±30% of initially measured values
  - ESR change: <200% of initially specified values

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**D = 8 to 18mm**

- **Lead spacing VS. Case diameter**

<table>
<thead>
<tr>
<th>D</th>
<th>8</th>
<th>10</th>
<th>12.5</th>
<th>16</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>3.5</td>
<td>5.0</td>
<td>5.0</td>
<td>7.5</td>
<td>7.5</td>
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<tr>
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<td>0.6</td>
<td>0.8</td>
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<tr>
<td>α</td>
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<td>2.0</td>
<td>2.0</td>
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</tr>
</tbody>
</table>

  - \( L_s = L + \alpha \) mm
  - \( D_s = D + 0.5 \) mm
  - \( S_s = S + 0.5 \) mm

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**Illinois Capacitor**

Your Global Source for World-Class Capacitors

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Apr-19
Capacitance 100F to 400F

Capacitance 400F to 470F

5.5 Volt Parts

<table>
<thead>
<tr>
<th>Capacitance (F)</th>
<th>Dims (LxHxT) (mm) +/-1.0mm</th>
<th>Lead spacing (S) (mm) +/-0.5mm</th>
<th>Lead diameter (d) (mm)</th>
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<td>12</td>
<td>0.6</td>
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<tr>
<td>1.5</td>
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<td>0.6</td>
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<td>5</td>
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<td>18</td>
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