**ELECTRIC DOUBLE LAYER CAPACITORS "EVerCAP®"**

**JJD**

Screw Terminal Type, High Energy Density Type

- High energy density.
- Suitable for electric power storage.
- Compliant to the RoHS directive (2011/65/EU).

### Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Performance Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category Temperature Range</td>
<td>– 25 to +60°C</td>
</tr>
<tr>
<td>Rated Voltage Range</td>
<td>2.5V</td>
</tr>
<tr>
<td>Rated Capacitance Range</td>
<td>1000 to 2500F See Note</td>
</tr>
<tr>
<td>Capacitance Tolerance</td>
<td>±20%, ±25°C</td>
</tr>
<tr>
<td>Stability at Temperature</td>
<td>Capacitance (–25°C) / Capacitance (+25°C) ≤100%</td>
</tr>
<tr>
<td></td>
<td>DCR (–25°C) / DCR(+20°C) ≤7</td>
</tr>
<tr>
<td>DCR*</td>
<td>Refer to the table below (20°C), *DC internal resistance</td>
</tr>
<tr>
<td>Endurance</td>
<td>The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 60°C.</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>The specifications listed at right shall be met when the capacitors are restored to 20°C after storing the capacitors under no load for 2000 hours at 60°C.</td>
</tr>
<tr>
<td>Humidity Endurance</td>
<td>The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 500 hours at 40°C 90%RH.</td>
</tr>
<tr>
<td>Marking</td>
<td>Printed with white color letter on black sleeve.</td>
</tr>
</tbody>
</table>

### Drawing

- **Fig. 40**
- **Fig. 51**

### Dimensions

<table>
<thead>
<tr>
<th>Rated Voltage (Code)</th>
<th>Cap. (F)</th>
<th>Cap. code</th>
<th>DCR @ Typical (Ω)</th>
<th>Case size</th>
<th>Ref. Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5V (OE)</td>
<td>1000</td>
<td>108</td>
<td>8.0</td>
<td>40</td>
<td>105</td>
</tr>
<tr>
<td></td>
<td>1300</td>
<td>138</td>
<td>6.0</td>
<td>51</td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>2300</td>
<td>238</td>
<td>4.0</td>
<td></td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>258</td>
<td>3.5</td>
<td></td>
<td>142</td>
</tr>
</tbody>
</table>

- The listed DCR value is typical and therefore not a guaranteed value.

### Dimensions of terminal pitch(W) and length(ℓ) and Normal dia. of bolt (mm)

<table>
<thead>
<tr>
<th>D</th>
<th>W</th>
<th>ℓ</th>
<th>α</th>
<th>Nominal of bolt</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>18.8</td>
<td>9</td>
<td>3</td>
<td>M6</td>
</tr>
<tr>
<td>51</td>
<td>26.0</td>
<td>10</td>
<td>3</td>
<td>M6</td>
</tr>
</tbody>
</table>

### Type numbering system

- Example: 2.5V 1000F

### Marking

- Printed with white color letter on black sleeve.

### Note:

- The capacitance calculated from discharge time (ΔT) with constant current (i) after 30minute charge with rated voltage (2.5V).
- The discharge current (i) is 0.01 × rated capacitance (F).
- The discharge time (ΔT) measured between 2V and 1V with constant current.
- The capacitance calculated below.

Capacitance (F) = i × ΔT

### Parameters

- **Capacitance change**
- **DCR**
- **Configuration**
- **Rated voltage (2.5V)**
- **Capacitance tolerance (±20%)**
- **Series name**
- **Type**

### Table

- **Case dia. code (φ)**
- **Mounting bracket**
- **Code list**
- **Cr (II) Plating (RoHS compliant)**
- **Dimensions of mounting bracket (mm)**

### Note)

- The brackets will be supplied in the separate box.