Ultra-low ESR supercapacitors ideal for providing peak current demand

Ultra-low ESR Eaton HV family products offer high power capability in compact package sizes.

High capacitance
High capacitance (1 F to 100 F) enables long term power backup and high peak current capability.

Ultra-low Equivalent Series Resistance (ESR)
ESR levels as low as 12 mΩ ensure minimal voltage drop during peak current demand, increasing the amount of power that can be delivered to the load.

Long operating life
With an achievable operating life of over 10 years, Eaton supercapacitors will not need replacing and will last as long as your equipment is in service.

Configurable
Supercapacitors can be configured in series and parallel to increase the voltage rating and energy storage capability. Package solutions are available, please consult your Eaton representative for details.

Industrial operating temperature range
With a wide, -40 °C to +85 °C, operating temperature range, the HV family is ideal for harsh environment industrial and telecom applications.

Applications
- Automated meter reading
- Asset tracking / fleet management
- Valve & solenoid actuation
- Solid state hard drives
- Telecom ‘Triple Play’
- Cellular base stations

EATON
Powering Business Worldwide
Specifications

Catalog Symbol

<table>
<thead>
<tr>
<th>Family</th>
<th>Size (Dia x Height)</th>
<th>Voltage Rating</th>
<th>Capacitance Value (10 x 10^7 µF = 110 F)</th>
<th>RoHS Compliant</th>
</tr>
</thead>
</table>

Dimensions

Note: Longer lead is positive.

Specifications

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Working Voltage</td>
<td>2.7 V</td>
</tr>
<tr>
<td>Surge Voltage</td>
<td>3.0 V</td>
</tr>
<tr>
<td>Nominal Capacitance Range</td>
<td>1.0 F to 100 F</td>
</tr>
<tr>
<td>Equivalent Series Resistance @ 100Hz</td>
<td>0.200 to 0.012 Ω</td>
</tr>
<tr>
<td>Capacitance Tolerance</td>
<td>-10% to +30% (+20 °C)</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40 °C to +85 °C</td>
</tr>
<tr>
<td>Extended Operating Temperature Range</td>
<td>(Max working voltage 2.1 V)</td>
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</tbody>
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Technical Application Assistance

E-mail capacitortech@eaton.com
Data Sheets: www.eaton.com/electronics
Order samples on-line: https://tools.eatonelectronics.com/request-form