Bourns Adds New AEC-Q101 Compliant Discrete TVS Diode Products

Model SM8SF-Q Series

Riverside, California – FEBRUARY 20, 2019 – Bourns is pleased to announce the release of a new Transient Voltage Suppressor Diode Series - the Model SM8SF-Q. This series is AEC-Q101 compliant and well suited for protecting sensitive electronics against voltage transients generated by inductive load switching and lighting. Bourns® Model SM8SF-Q Series offers a high Peak Pulse Power ($P_{pk}$ 10/1000 µs) of 7000 W, assisting designers in meeting ISO7637-2 / ISO16750-2 surge specifications.

This AEC-Q101 compliant product is also well suited for applications requiring high reliability such as power supplies and equipment used in harsh environments.

Bourns® Model SM8SF-Q Series is available in a low-profile package just 1.3 mm high, enabling designers to achieve compact, high power density, power supply designs.

<table>
<thead>
<tr>
<th>Series</th>
<th>Breakdown Voltage</th>
<th>Unidirectional/Bidirectional</th>
<th>Power Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM8SF-Q</td>
<td>24 - 36 V</td>
<td>Both</td>
<td>7000 W</td>
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</tbody>
</table>


Should you have any questions, please contact Bourns Customer Service/Inside Sales.

**Features**
- Maximum Peak Power Dissipation: 7000 watts
- Meets ISO7637-2 / ISO16750-2 surge specification (varies by test condition)
- RoHS compliant*
- AEC-Q101 compliant**

**Applications**
- High peak power applications (up to rated limits)
- High temperature applications (up to rated limits)
- Clamping diode
- Load switching and lighting

** “Q” part number suffix indicates AEC-Q101 compliance.