Bourns Announces the Expansion of the
Model SMCJ-Q and 1.5SMC-Q Series TVS Diodes

*Riverside, California – October 15, 2020* – Bourns is pleased to announce the voltage expansion of its AEC-Q101 compliant, automotive grade, SMC package TVS diodes to cater to the power supply equipment, communications and data center markets which challenge the semiconductor industry to provide broader voltages as well as superior quality components. The Model SMCJ-Q and 1.5SMC-Q TVS diode series are rated at 1500 watts and are well suited for DC power port protection due to their surge withstanding capability.

<table>
<thead>
<tr>
<th>Series</th>
<th>Previous Standoff Voltage Range</th>
<th>New Standoff Voltage Range</th>
<th>New Breakdown Voltage Range</th>
<th>Uni/Bidirectional</th>
<th>Power Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMCJ-Q</td>
<td>12.0 ~ 58.0 V</td>
<td>5.0 ~ 120 V</td>
<td>6.7 ~ 140 V</td>
<td>Yes</td>
<td>1500 W</td>
</tr>
<tr>
<td>1.5SMC-Q</td>
<td>12.8 ~ 58.1 V</td>
<td>5.8 ~ 111 V</td>
<td>6.8 ~ 130 V</td>
<td>Yes</td>
<td>1500 W</td>
</tr>
</tbody>
</table>


Should you have any questions or need additional information, please contact Bourns Customer Service/Inside Sales.

**Features**
- Surface mount SMC package
- Power dissipation 1500 W
- RoHS compliant*
- AEC-Q101 compliant**

**Applications**
- Protection of power buses
- Protection of I/O interface
- Overvoltage transient protection

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