Bourns Introduces New High Power TVS (PTVS) Diode Product

Model PTVS10-086C-M

Riverside, California – January 4, 2019 – Bourns is pleased to announce the release of a 10 kA, 86 V bidirectional high current Power TVS Diode, extending the existing range of its PTVS series. This model was designed for use in DC bus clamping applications.

The Bourns® Model PTVS10 series offers bidirectional port protection meeting IEC 61000-4-5 8/20 μs current surge requirements and is RoHS compliant* and halogen free**. When compared to typical competing MOV technology, the use of silicon technology in the Power TVS products provides a lower clamping voltage under surge, greater performance stability and increased reliability.

These devices exhibit an excellent surge response versus temperature; the maximum surge current at 150 °C exceeds 70 % of their rated value at 25 °C.

<table>
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<tr>
<th>Model</th>
<th>Standoff Voltage</th>
<th>Peak Pulse Current Rating ($I_{ppm}$)</th>
<th>Package Type</th>
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<tr>
<td>PTVS10-086C-M</td>
<td>86 V</td>
<td>10 kA</td>
<td>Surface Mount</td>
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The product data sheet with detailed specifications can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com).

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

**Features**
- 10 kA, 8/20 μs surge capability
- 1 kA, 10/350 μs surge capability
- Low clamping voltage under surge
- Bidirectional TVS
- Surface mount package
- Excellent overtemperature performance
- RoHS compliant*

**Applications**
- DC line protection
- Protection of power supplies used in exposed and harsh environments
- Surge Protective Devices and dongles