

New Product Release

PTVS DIODES



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 μ s 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.

Model	Standoff Voltage	Peak Pulse Current Rating (I_{PPM})	Package Type
PTVS10-086C-M	86 V	10 kA	Surface Mount

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com.

Should you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

Features

- 10 kA, 8/20 μ s surge capability
- 1 kA, 10/350 μ s 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