

## New Product Release

### POWER TVS DIODES



## Bourns Adds New High Power TVS (PTVS) Diode Product *Model PTVS1-380C-TH*

Riverside, California - October 11, 2018 - Bourns is pleased to announce the release of a 1 kA, 380 V bidirectional high current Power TVS Diode, extending the existing range of the PTVS series. The [Model PTVS1-380C-TH](#) was designed for use in AC bus clamping applications.

The Bourns® Model PTVS1 Series offers bidirectional port protection meeting IEC 61000-4-5 8/20  $\mu$ s current surge requirements and is RoHS compliant\* and halogen free\*\*. 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
PTVS1-380C-TH	380 V	1 kA	Through-hole

Please visit the Bourns website at <https://www.bourns.com/products/diodes/power-tvs-diodes> for more information on Bourns® Power TVS products.

Should you have any questions or need additional information, please contact [Customer Service/Inside Sales](#).

### Features

- Very high surge current protection (1 kA @ +25 °C)
- Low clamping voltage under surge
- Excellent performance over temperature
- RoHS compliant\* and halogen free\*\*

### Applications

- AC line protection
- Protection of power supplies used in exposed and harsh environments
- SPD and dongles

\* RoHS Directive 2011/65/EU and amendment of Annex II.

\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.