

New Product Release

POWER TVS DIODES



Bourns Adds New High Power TVS (PTVS) Diode Product *Model PTVS3-015C-TH*

Riverside, California - November 18, 2015 - Bourns is pleased to announce the release of a 15 V bidirectional high current Power TVS Diode, extending the existing range of the PTVS3 series. This model was designed for use in high power DC bus clamping applications.

The Bourns® Model PTVS3 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 (IppM)	Package Type
PTVS3-015C-TH	15V	3 kA	Through-hole

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

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

Features

- 15 V standoff voltage
- Very high surge current protection (3 kA @ +25 °C)
- Excellent surge performance vs. temperature
- RoHS compliant*, halogen free**

Applications

- Exposed AC/DC power supplies (in wireless base stations, etc.)

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

**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.