

## New Product Release

### POWER TVS PRODUCTS



December 12, 2014

## Bourns Releases New High Voltage Power TVS (PTVS) Products

### Model PTVS3-380C-TH and PTVS3-430C-TH

Bourns is pleased to announce the release of the [Model PTVS3-380C-TH and PTVS3-430C-TH](#) high voltage, bidirectional, high current TVS diodes designed for use in AC line and high power DC bus clamping applications.

These devices offer bidirectional port protection of 380 volts and 430 volts, meeting IEC 61000-4-5 8/20  $\mu$ s current surge requirements and are RoHS compliant\*. 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 typical maximum surge current at 150 °C exceeds 70 % of their rated value at 25 °C.

Specification	Bourns® Model	
	PTVS3-380C-TH	PTVS3-430C-TH
Repetitive Standoff Voltage - $V_{WM}$	380 V	430 V
Peak Current Rating per 8/20 $\mu$ s - $I_{PPM}$	3 kA	3 kA

The product data sheet with detailed specifications can be viewed on Bourns' website at [www.bourns.com](http://www.bourns.com).

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

#### Features

- 380 V or 430 V standoff voltage
- Very high surge current protection (3 kA @ 25 °C)
- Low clamping voltage under surge
- Excellent surge performance vs. temperature
- RoHS compliant\*

#### Applications

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