

# Featured Products Bulletin

## POWER TVS PRODUCTS



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

**Model PTVS10-170C-TH, PTVS10-320C-TH, PTVS10-380C-TH, PTVS10-430C-TH, PTVS10-470C-TH**

Riverside, California - December 16, 2014 - Bourns is pleased to announce the release of high voltage bidirectional high current TVS diodes, Models [PTVS10-170C-TH](#), [PTVS10-320C-TH](#), [PTVS10-380C-TH](#), [PTVS10-430C-TH](#), and [PTVS10-470C-TH](#), designed for use in AC line and high power DC bus clamping applications.

These devices offer bidirectional port protection of 170 volts to 470 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				
	PTVS10-170C-TH	PTVS10-320C-TH	PTVS10-380C-TH	PTVS10-430C-TH	PTVS10-470C-TH
Repetitive Standoff Voltage - $V_{WM}$	170 V	320 V	380 V	430 V	470 V
Peak Current Rating per 8/20 $\mu$ s - $I_{PPM}$	10 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

- 170 V to 470 V standoff voltage
- Very high surge current protection (10 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.)