

Featured Products Bulletin

POWER TVS PRODUCTS



Bourns Releases New High Voltage Power TVS (PTVS) Products

Model PTVS6-380C-TH and PTVS6-430C-TH

Riverside, California - December 15, 2014 - Bourns is pleased to announce the release of high voltage bidirectional high current TVS diodes, [Model PTVS6-380C-TH and PTVS6-430C-TH](#), 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 μ 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	
	PTVS6-380C-TH	PTVS6-430C-TH
Repetitive Standoff Voltage - V_{WM}	380 V	430 V
Peak Current Rating per 8/20 μ s - I_{PPM}	6 kA	6 kA

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

- 380 V or 430 V standoff voltage
- Very high surge current protection (6 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.)