



# NEW PRODUCT RELEASE

## POWER TVS DIODES

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## Bourns Introduces New Power TVS Diode Series

### Model PTVS2-xxxC-H Series

Riverside, California – **August 2, 2022** – Bourns, a leading manufacturer and supplier of electronic components, is pleased to introduce the new [Model PTVS2-xxxC-H Series](#) PTVS Diodes that provides effective ESD protection against high current surges in PoE devices, RRUs, BBUs and high power DC bus applications. The new model features a sleek DFN package (8 mm x 6 mm x2.5 mm).

The Bourns® Model PTVS2-xxxC-H PTVS diode family has eight available part numbers with a maximum working voltage between 22 V and 86 V. They also meet IEC 61000-4-2 Level 4 ESD protection and 2 kA (8/20  $\mu$ s) per IEC 61000-4-5 lightning protection. The list of available part numbers is provided in the table below.

Part Numbers	Max. Repetitive Standoff Voltage (V)	Peak Current Rating per 8/20 $\mu$ s IEC 61000-4-5 (A)	Package
<b>PTVS2-022C-H</b>	22	2000	DFN
<b>PTVS2-026C-H</b>	26		
<b>PTVS2-029C-H</b>	29		
<b>PTVS2-043C-H</b>	43		
<b>PTVS2-058C-H</b>	58		
<b>PTVS2-066C-H</b>	66		
<b>PTVS2-076C-H</b>	76		
<b>PTVS2-086C-H</b>	86		

Available now, the Model PTVS2-xxxC-H Series High Current Power TVS Diodes are RoHS compliant\* and halogen free\*\*. The product data sheet with detailed specifications can be viewed on the Bourns website at [www.bourns.com/products/diodes/power-tvs-diodes](http://www.bourns.com/products/diodes/power-tvs-diodes).

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

~ continued on page 2 ~

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## Features

- 2 kA, 8/20  $\mu$ s surge capability
- Repetitive standoff voltage: 22 to 86 volts
- Bidirectional TVS
- Low clamping voltage under surge
- Excellent performance over temperature
- Surface mount DFN package
- RoHS compliant\* and halogen free\*\*

## Applications

- Protection against lightning strikes, inductive and transient surges up to rated limits
- Exposed PoE ports
- Small cell, Remote Radio Units (RRUs) and Baseband Units (BBUs)
- High power DC bus protection

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

\*\* 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.