



Bourns Introduces New High Current Power TVS Diodes

Model PTVS1-xxxC-H Series

Riverside, California – **August 2, 2022** – Bourns, a leading manufacturer and supplier of electronic components, is pleased to introduce the new [Model PTVS1-xxxC-H Series](#) High Current Power TVS Diodes in a sleek DFN package (8 mm x 6 mm x 2.5 mm) to provide effective ESD protection against high current surges in PoE devices, RRUs, BBUs and high power DC bus applications.

The new Model PTVS1-xxxC-H PTVS diode family has eight available part numbers with a maximum working voltage between 22 V to 86 V. They also meet IEC 61000-4-2 Level 4 ESD protection and 1 kA (8/20 μ s) per IEC 61000-4-5 lightning protection. The list of available part number is provided in the table below.

Part Numbers	Max. Repetitive Standoff Voltage (V)	Peak Current Rating per 8/20 μ s IEC 61000-4-5 (A)	Package
PTVS1-022C-H	22	1000	DFN
PTVS1-026C-H	26		
PTVS1-029C-H	29		
PTVS1-043C-H	43		
PTVS1-058C-H	58		
PTVS1-066C-H	66		
PTVS1-076C-H	76		
PTVS1-086C-H	86		

Available now, the Model PTVS1-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.

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

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Features

- 1 kA, 8/20 μ 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.