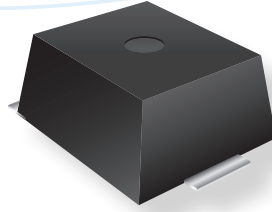




NEW PRODUCT RELEASE

PTVS DIODES



Bourns Introduces a New PTVS Diode

Model PTVS1-240C-M

Riverside, California – August 28, 2024 – Bourns is pleased to introduce the new [Model PTVS1-240C-M PTVS Diode](#) that provides effective ESD protection against high current surges in high power DC bus applications.

The Bourns® Model PTVS1-240C-M PTVS diode has a maximum working voltage of 240 V. This model also meets 1 kA (8/20 μ s) current surge requirements.

Model	Max. Repetitive Standoff Voltage (V)	Peak Current Rating per 8/20 μ s IEC 61000-4-5 (A)	Package
PTVS1-240C-M	240	1000	Surface Mount

Available now, the Model PTVS1-240C-M PTVS Diode is RoHS compliant*, UL listed 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.

Please check out the [Bourns Diode Technical Library](#) for application notes, brochures and design notes. If you have any questions or need additional information, please contact [Bourns Customer Service/Inside Sales](#).

Features

- 1 kA, 8/20 μ s surge capability
- Repetitive standoff voltage: 240 volts
- Bidirectional TVS diode
- Stable breakdown voltage over temperature, T_c of $V_{(BR)}$ \sim 0.1 %/°C
- Surface mount package
- RoHS compliant*, UL listed and halogen free**

Applications

- 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.

ESD2413