BOURNS®

PRODUCT EXTENSION **RELEASE**

POWER TVS DIODES

Bourns Adds New High Power TVS (PTVS) Diode Products

Model PTVS1-066C-TH and PTVS1-190C-TH Series

Riverside, California – October 8, 2019 – Bourns is pleased to announce the extension of the Model PTVS1 High Current TVS Diode series, with the addition of 66 V and 190 V versions. The high voltage Model PTVS1-xxxC-TH series was designed for use in AC bus and high voltage DC clamping applications.

The Bourns® Model PTVS1-xxxC-TH series offers bidirectional port protection meeting IEC 61000-4-5 8/20 µs current surge requirements and is RoHS compliant* and halogen free**. 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 maximum surge current at +150 °C exceeds 70 % of their rated value at +25 °C.

Series	Standoff Voltage	Peak Pulse Current Rating (I_{PPM})	Package Type
PTVS1-066C-TH	66 V	1 kA	Through-hole
PTVS1-190C-TH	190 V	1 kA	Through-hole

Please visit the Bourns website at www.bourns.com/products/diodes/power-tvs-diodes for more information on Bourns® Power TVS products.

Should you have any questions or need additional information, please contact Customer Service/Inside Sales.

Features

- Very high surge current protection (1 kA @ +25 °C)
- Low clamping voltage under surge
- Excellent performance over temperature
- RoHS compliant*, halogen free**

Applications

- High voltage DC line protecion
- AC line protection
- Protection of power supplies used in ceratin exposed and harsh environments
- SPDs and dongles

** 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.*

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