



# PRODUCT CHANGE NOTIFICATION

## DIODES



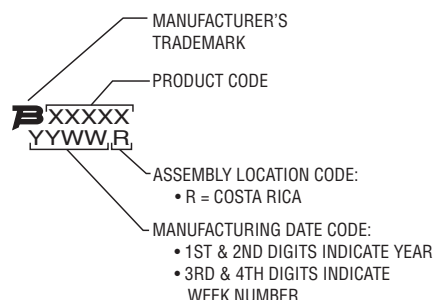
## Select Bourns® Power Transient Voltage Suppressor (PTVS) Diodes

### *Additional Assembly Line, Test Site and Epoxy Material Change*

Riverside, California - March 14, 2024 – To accommodate increasing production demand and in the spirit of continuous improvement, effective May 19, 2024, Bourns will establish an additional Assembly and Test (A/T) site at our existing Costa Rica plant for select Power Transient Voltage Suppressor (PTVS) Diodes. This A/T site will also serve as the shipping location for orders manufactured in Costa Rica. A list of affected part numbers is included below.

| Affected Part Numbers         |                                |                                 |                                |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------|
| <a href="#">PTVS1-066C-TH</a> | <a href="#">PTVS6-380C-TH</a>  | <a href="#">PTVS15-058C-TH</a>  | <a href="#">PTVS10-058C-SH</a> |
| <a href="#">PTVS1-190C-TH</a> | <a href="#">PTVS6-430C-TH</a>  | <a href="#">PTVS15-076C-TH</a>  | <a href="#">PTVS10-076C-SH</a> |
| <a href="#">PTVS1-380C-TH</a> | <a href="#">PTVS10-058C-TH</a> | <a href="#">PTVS20-015C-TH</a>  | <a href="#">PTVS15-058C-SH</a> |
| <a href="#">PTVS3-015C-TH</a> | <a href="#">PTVS10-076C-TH</a> | <a href="#">PTVS3-058C-SH</a>   | <a href="#">PTVS15-076C-SH</a> |
| <a href="#">PTVS3-058C-TH</a> | <a href="#">PTVS10-170C-TH</a> | <a href="#">PTVS3-076C-SH</a>   | <a href="#">PTVS1-066C-THL</a> |
| <a href="#">PTVS3-076C-TH</a> | <a href="#">PTVS10-320C-TH</a> | <a href="#">PTVS3-058C-SH-R</a> | <a href="#">PTVS1-190C-THL</a> |
| <a href="#">PTVS3-380C-TH</a> | <a href="#">PTVS10-380C-TH</a> | <a href="#">PTVS3-076C-SH-R</a> | <a href="#">PTVS1-380C-THL</a> |
| <a href="#">PTVS3-430C-TH</a> | <a href="#">PTVS10-430C-TH</a> | <a href="#">PTVS6-058C-SH</a>   | PTVS15-015C-TH                 |
| <a href="#">PTVS6-058C-TH</a> | <a href="#">PTVS10-470C-TH</a> | <a href="#">PTVS6-076C-SH</a>   | R3769-S                        |
| <a href="#">PTVS6-076C-TH</a> |                                |                                 |                                |

The silicon wafer fabrication will not change for products manufactured at this additional A/T site. There will be a change in the assembly process, as a new epoxy encapsulation material (from an existing supplier who has been qualified and is included on the Bourns Authorized Vendor List) will be used. The new encapsulation material has all the relevant properties of the previous material. The reliability tests for products built at the additional A/T site and the new epoxy coating material were completed in October 2023 and February 2024, respectively.



The part marking shown to the left will be used to identify units produced at the additional A/T site. A five-character code is to be used. (4-digit date code + 1 country letter code). The fifth character represents the A/T site code. In this case, the character "R" represents the Costa Rica A/T site. Therefore, although there will be no change to the fit, function, quality and reliability of the parts assembled at the new site, the form will change slightly because of the addition of the assembly location to the part marking.

Users should verify that the described changes will not impact the performance of the product in their specific applications.

ESD2403

Samples of the Power Transient Voltage Suppressor (PTVS) Diodes from the additional manufacturing site are available upon request starting March 25, 2024. Bourns recommends that customers test the affected part numbers in their specific applications for validation of satisfactory performance.

**Implementation dates are as follows:**

Date that deliveries of products assembled at additional A/T location will begin: **May 19, 2024**

First date code using the above changes: **2413**

Orders for the affected part numbers received after May 19, 2024 may be filled interchangeably from the existing A/T site or the additional A/T site.

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