



DATE: 14 February, 2020

PCN #: 2449

PCN Title: Qualification of Additional Wafer Sources for Select Discrete Products

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request immediately. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



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**PRODUCT CHANGE NOTICE****PCN-2449 REV 1**

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| Notification Date:   | Implementation Date:  | Product Family: | Change Type:            | PCN #:      |
|--|---|-----------------|-------------------------|-------------|
| 14 February, 2020  | 14 May, 2020  | Discrete        | Additional Wafer Source | <b>2449</b> |
| TITLE  |   |                 |                         |             |
| Qualification of Additional Wafer Sources for Select Discrete Products   |   |                 |                         |             |
| DESCRIPTION OF CHANGE  |   |                 |                         |             |
| <p>This PCN is being issued to notify customers that in order to assure continuity of supply, Diodes Incorporated has qualified Diodes internal BCD (Shanghai) Micro-Electronics Limited (SFAB2) in Shanghai China, Diodes Internal Shanghai SIM-BCD Semiconductor Manufacturing Co. Ltd. in Shanghai China (SFAB1), or CSMC Technologies Corporation in Wuxi China as the additional wafer source for select part numbers listed in tables below.</p> <p>Full electrical characterization and high reliability testing has been completed on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. Refer to the attached qualification / reliability report (embedded in this file).</p> <p>There will be no change to the Form, Fit, or Function of products affected.</p> |   |                 |                         |             |
| IMPACT   |   |                 |                         |             |
| Continuity of Supply. No change in datasheet parameters or product performance.  |   |                 |                         |             |
| PRODUCTS AFFECTED  |   |                 |                         |             |
| Table 1 - Qualification of Diodes Internal SFAB2 (BCD (Shanghai) Micro-Electronics Limited) as Additional Wafer Source<br>Table 2 - Qualification of Diodes Internal SFAB1 (Shanghai SIM-BCD Semiconductor Manufacturing Co. Ltd.) as Additional Wafer Source<br>Table 3 - Qualification of CSMC Technologies Corporation as Additional Wafer Source   |   |                 |                         |             |
| WEB LINKS  |   |                 |                         |             |
| <b>Manufacturer's Notice:</b>  | <a href="https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/">https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/</a> |                 |                         |             |
| <b>For More Information Contact:</b>   | <a href="http://www.diodes.com/contacts.html">http://www.diodes.com/contacts.html</a>   |                 |                         |             |
| <b>Data Sheet:</b>   | <a href="http://www.diodes.com/catalog">http://www.diodes.com/catalog</a>   |                 |                         |             |
| DISCLAIMER   |   |                 |                         |             |
| <b>Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.</b>   |   |                 |                         |             |

| Table 1 - Qualification of Diodes Internal SFAB2 (BCD (Shanghai) Micro-Electronics Limited) as Additional Wafer Source |              |                |              |               |               |
|--|--------------|----------------|--------------|---------------|---------------|
| SBR10E45P5-13  | SBR10E45P5-7 | SBR10U45SP5-13 | SDT3A45SA-13 | SDT3A45SAF-13 | SDT5A50SAF-13 |
| SBR10E45P5-13D   |              |                |              |               |               |

| Table 2 – Qualification of Diodes Internal SFAB1 (Shanghai SIM-BCD Semiconductor Manufacturing Co. Ltd.) as Additional Wafer Source |  |  |  |  |  |
|---|--|--|--|--|--|
| BZT52C11T-7   |  |  |  |  |  |

| Table 3 – Qualification of CSMC Technologies Corporation as Additional Wafer Source |  |  |  |  |  |
|---|--|--|--|--|--|
| SBR15A30SP5-13  |  |  |  |  |  |