



DATE: 12<sup>th</sup> April, 2016

PCN #: 2223

PCN Title: Qualification of Additional Wafer Fabrication Source, and Conversion to Green Mold Compound

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 within 30 days as well. Otherwise, samples may not be built prior to this change. 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



**PRODUCT CHANGE NOTICE**

**PCN-2223 REV 00**

<b>Notification Date:</b>	<b>Implementation Date:</b>	<b>Product Family:</b>	<b>Change Type:</b>	<b>PCN #:</b>
12 <sup>th</sup> April, 2016	11 <sup>th</sup> July, 2016	Discrete Semiconductors	Additional Wafer Fabrication Source / Assembly Material	<b>2223</b>
<b>TITLE</b>				
Qualification of Additional Wafer Fabrication Source, and Conversion to Green Mold Compound				
<b>DESCRIPTION OF CHANGE</b>				
<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 (SFAB) as an additional wafer fabrication facility for the devices listed below. In addition, the mold compound for the products listed below is being converted from non-Green to Green. The green encapsulate will contain no halogens or Sb<sub>2</sub>O<sub>3</sub> fire retardants. The products will remain 94-V0 compliant with a 260°C maximum reflow temperature for 30 sec (total) and MSL 1.</p> <p>Full electrical characterization and reliability testing have been completed using representative devices built with wafer materials from the additional wafer fabrication source and/or with green mold compound to ensure there is no change to device functionality, electrical specifications in the datasheet, or package performance.</p>				
<b>IMPACT</b>				
Continuity of Supply				
<b>PRODUCTS AFFECTED</b>				
Please refer to Table 1 for Additional Wafer Source and Conversion to Green Mold Compound Please refer to Table 2 for Additional Wafer Source Please refer to Table 3 for Conversion to Green Mold Compound				
<b>WEB LINKS</b>				
<b>Manufacturer's Notice:</b>	<a href="http://www.diodes.com/quality/pcns">http://www.diodes.com/quality/pcns</a>			
<b>For More Information Contact:</b>	<a href="http://www.diodes.com/contacts">http://www.diodes.com/contacts</a>			
<b>Data Sheet:</b>	<a href="http://www.diodes.com/products">http://www.diodes.com/products</a>			
<b>DISCLAIMER</b>				
<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 - Additional Wafer Source and Conversion to Green Mold Compound				
SBR10100CTB-13	SBR20A40CT	SBR30A100CT	SBR40U100CT	SBR40U120CT
SBR10100CT	SBR20A100CT	SBR40150CT	SBR60A60CT	SBR40U60CTE
SBR10U100CT	SBR20A200CT	SBR30A120CT	SBR60A150CT	SBR20100CTB-13
SBR10U150CT	SBR20U60CT	SBR20A120CT	SBR40U60CT	SBR3060CTB-13
SBR20100CT	SBR20U100CT	SBR40U45CT	SBR40U150CT	SBR60A300CT
SBR20150CT	SBR30A60CT			

Table 2 - Additional Wafer Source				
SBR20A100CT-G	SBR10150CTFP	SBR40U120CT-G	SBR2A40P1-7	SBR3U40P1-7
SBR30A45CT-G	SBR30A60CT-G	SBR40U150CT-G	SBR1045SP5-13	SBR3U60P1-7
SBR20A45CT-G	SBR30A100CT-G	SBR40U60CT-G	SBR3U30P1-7	SBR10A45SP5-13
SBR40U100CT-G	SBR30A120CT-G	SBR60A60CT-G	SBR05M100BLP-7	SBR1U400P1-7
SBR40U45CT-G	SBR20A120CT-G	SBR8A45SP5-13	SBR8M45SP5-13	SBR12U120P5-13D
SBR20A40CT-G	SBR20100CTFP	SBR10U45SP5-13	SBR15U30SP5-13	SBR12U120P5-13
SBR20A40CTFP-G	SBR20100CTFP-G	SBR8U60P5-13	SBR12U100P5-13	SBR8U20SP5-13
SBR20U60CT-G	SBR20150CTFP	SBR15U50SP5-13	SBR10U200P5-13	SBR1A400P1-7
SBR10U100CTFP	SBR20150CTFP-G	SBR12U45LH1-13R	SBR6100CTL-13	SBR15U100CTL-13
SBR10200CTFP				

Table 3 - Conversion to Green Mold Compound				
SBR10100CTB	SBR3045CT	SBR60A100CT	SBR20100CTB	SBG3060CT-T-F
SBR1040CT	SBR3060CT	SBR40U200CT	SBR30A60CTB	SBG3045CT-T-F
SBR1060CT	SBR30100CT	SBR60A200CT	SBR20A100CTE	SBG3040CT-T-F
SBR10150CT	SBR30150CT	SBR10200CT	SBR20A60CTB	SBG3030CT-T-F
SBR10U40CT	SBR30200CT	SBR40U100CTE	SBR40U120CTE	SBR20A60CTB-13
SBR10U60CT	SBR30A40CT	SBR40S45CT	SBR30A100CTB	SBR10U200CTB-13
SBR10U200CT	SBR30A45CT	SBR30S30CT	SBR3045SCTB	SBR10200CTB
SBR2040CT	SBR30A50CT	SBR20A200CTB-13	SBR20U100CTE	SBR30A45CTB
SBR2045CT	SBR30A150CT	SBR30A45CTB-13	SBR20100CTE	SBR10U300CT
SBR2060CT	SBR30M100CT	SBR30A60CTB-13	SBR30A100CTE	SBR20A300CT
SBR20A45CT	SBR4040CT	SBR30A100CTB-13	SBR40U200CTB	SBR30300CT
SBR20A60CT	SBR4045CT	SBR1040CTB-13	MBRB1545CT-T	SBR40U300CT
SBR20A150CT	SBR4060CT	SBR20A200CTB	MBRB1540CT-T	SBR20A300CTB
SBR20U40CT	SBR40100CT	SBR10U200CTB	MBRB1535CT-T	SBR40U300CTB
SBR20U150CT	SBR30U30CT	SBR1040CTB	MBRB1530CT-T	SBR40U300CTB-13
SBR3040CT	SBR60A45CT	SBR40U200CTB-13		