



DATE: 9 March, 2018

PCN #: 2319

PCN Title: Qualification of Alternative Wafer Sources for Select Automotive Products Due to Closure of Diodes FabTech (KFAB) Facility

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 be implemented immediately.

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-2319 REV 1**

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Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
9 March, 2018	9 June, 2018	Discrete Automotive	Alternative Wafer Sources	2319
<b>TITLE</b>				
Qualification of Alternative Wafer Sources for Select Automotive Products Due to Closure of Diodes FabTech (KFAB) Facility				
<b>DESCRIPTION OF CHANGE</b>				
<p>This PCN is being issued to notify customers that in order to assure continuity of supply due to the closure of the Diodes FabTech (KFAB) Facility, Diodes Incorporated has qualified, or is in the process of qualifying (*) alternative wafer sources for select Automotive part numbers.</p> <p>Full electrical characterization and high reliability testing has been completed, or will be completed (*) on representative part numbers to ensure there is no change to device functionality or electrical specifications in the datasheet. See attached (embedded) qualification report.</p> <p>(*) Shipment of production material built with alternate die source(s) will be gated by the successful completion of qualification.</p> <p>There will be no change to the Form, Fit, or Function of products affected.</p>				
<b>IMPACT</b>				
Continuity of Supply. No change in datasheet parameters or product performance				
<b>PRODUCTS AFFECTED</b>				
Table 1 - Qualification of Diodes Internal SFAB1 (Shanghai SIM-BCD Semiconductor Manufacturing Company, Ltd.) as Alternate Die Source Table 2 – Qualification of Phenitec as Alternate Die Source Table 3 – Qualification of Both Diodes Internal SFAB1 and Phenitec as Alternate Die Sources				
<b>WEB LINKS</b>				
<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>			
<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 - Qualification of Diodes Internal SFAB1 (Shanghai SIM-BCD Semiconductor Manufacturing Company, Ltd.) as Alternate Die Source**

DFLT40AQ-7	BAV199Q-7-F	BZT52C10Q-7-F	BZT52C3V6SQ-7-F	BZX84C24Q-7-F	DDZ31Q-7
DFLT18AQ-7	BAV199WQ-7	BZT52C10SQ-7-F	BZT52C3V9Q-7-F	BZX84C27Q-7-F	DDZ33Q-7
DFLT5V0AQ-7	BAW156Q-13-F	BZT52C11Q-7-F	BZT52C3V9SQ-7-F	BZX84C2V4Q-7-F	DDZ5V1BQ-7
DFLT22AQ-7	BAW156Q-7-F	BZT52C11SQ-7-F	BZT52C43Q-7-F	BZX84C2V7Q-7-F	DDZ5V6BQ-7
DFLT20AQ-7	BAV199DWQ-7-F	BZT52C12Q-7-F	BZT52C47Q-7-F	BZX84C30Q-7-F	DDZ6V2BQ-13
DFLT33AQ-7	BAV116HWFQ-7	BZT52C12SQ-7-F	BZT52C4V3Q-7-F	BZX84C33Q-7-F	DDZ6V2BQ-7
BAS28Q-13	BAV116WSQ-7	BZT52C13Q-7-F	BZT52C4V7Q-7-F	BZX84C36Q-7-F	DDZ6V8BQ-7
BAW156TQ-7-F	BAV70HDWQ-13	BZT52C13SQ-7-F	BZT52C4V7SQ-7-F	BZX84C39Q-7-F	DDZ7V5BQ-7
BAV70Q-13-F	BAW101Q-7	BZT52C15Q-7-F	BZT52C51Q-7-F	BZX84C3V0Q-7-F	DDZ8V2CQ-7
BAV70Q-7-F	MMBD3004SQ-13-F	BZT52C15SQ-7-F	BZT52C5V1Q-7-F	BZX84C3V3Q-13-F	DDZ9678Q-7
BAV70WQ-7-F	BAS21TWQ-7	BZT52C16Q-7-F	BZT52C5V1SQ-7-F	BZX84C3V3Q-7-F	DDZ9681Q-7
BAV70DWQ-7-F	MMBD4448HADWQ-7-F	BZT52C16SQ-7-F	BZT52C5V6Q-7-F	BZX84C3V6Q-7-F	DDZ9682Q-7
BAS521LPQ-7B	1N4448HWSQ-7-F	BZT52C18Q-7-F	BZT52C5V6SQ-7-F	BZX84C3V9Q-7-F	DDZ9683Q-7
BAS521Q-13	1N4448WSFQ-7	BZT52C18SQ-7-F	BZT52C6V2Q-7-F	BZX84C43Q-7-F	DDZ9684Q-7
1N4148WQ-13-F	1N4448WQ-7-F	BZT52C20Q-7-F	BZT52C6V2SQ-7-F	BZX84C47Q-7-F	DDZ9685Q-7
1N4148WQ-7-F	1N4448WSQ-7-F	BZT52C20SQ-7-F	BZT52C6V8Q-7-F	BZX84C4V3Q-7-F	DDZ9686Q-7
1N4148WSQ-13-F	1N4148WTQ-7	BZT52C22Q-7-F	BZT52C6V8SQ-7-F	BZX84C4V7Q-13-F	DDZ9687Q-7
1N4148WSQ-7-F	BAV23CQ-13-F	BZT52C22SQ-7-F	BZT52C7V5Q-7-F	BZX84C4V7Q-7-F	DDZ9688Q-7
BAS16Q-13-F	BAV23CQ-7-F	BZT52C24Q-7-F	BZT52C7V5SQ-7-F	BZX84C5V1Q-13-F	DDZ9689Q-7
BAS16Q-7-F	MMBD3004SQ-7-F	BZT52C24SQ-7-F	BZT52C8V2Q-7-F	BZX84C5V1Q-7-F	DDZ9690Q-7
BAV99DWQ-7-F	BAS20DWQ-13	BZT52C27Q-7-F	BZT52C8V2SQ-7-F	BZX84C5V6Q-13-F	DDZ9691Q-13
BAV99Q-13-F	BAS20Q-13-F	BZT52C27SQ-7-F	BZT52C9V1Q-7-F	BZX84C5V6Q-7-F	DDZ9691Q-7
BAV99Q-7-F	BAS21Q-13-F	BZT52C2V0Q-7-F	BZT52C9V1SQ-7-F	BZX84C6V2Q-13-F	DDZ9692TQ-7
BAV99WQ-7-F	BAS21Q-7-F	BZT52C2V4Q-7-F	BZT585B5V1TQ-7	BZX84C6V2Q-7-F	DDZ9693Q-7
BAW56DWQ-7-F	BAV20WQ-7-F	BZT52C2V7Q-7-F	BZX84C10Q-13-F	BZX84C6V8Q-13-F	DDZ9694Q-7
BAW56Q-13-F	BAV21WQ-7-F	BZT52C2V7SQ-7-F	BZX84C10Q-7-F	BZX84C6V8Q-7-F	DDZ9697Q-7
BAW56Q-7-F	BAV21WSQ-7-F	BZT52C30Q-7-F	BZX84C12Q-13-F	BZX84C7V5Q-7-F	DDZ9699Q-7
BAW56WQ-7-F	BAV23SQ-13-F	BZT52C30SQ-7-F	BZX84C12Q-7-F	BZX84C8V2Q-7-F	DDZ9700Q-7
BAS16WQ-7-F	BAV3004WQ-7-F	BZT52C33Q-7-F	BZX84C13Q-7-F	BZX84C9V1Q-13-F	DDZ9701Q-7
BAS16HTWQ-13	MMBD2004SQ-7-F	BZT52C33SQ-7-F	BZX84C15Q-13-F	BZX84C9V1Q-7-F	DDZ9702Q-7
BAS16HTWQ-13R	MMBD3004CQ-7-F	BZT52C36Q-7-F	BZX84C15Q-7-F	DDZ10CQ-7	DDZ9705Q-7
BAV99HDWQ-13	BAS21WQ-7-F	BZT52C36SQ-7-F	BZX84C16Q-13-F	DDZ12BQ-7	DDZ9707Q-7
BAW56HDWQ-13	BAV23AQ-13-F	BZT52C39Q-7-F	BZX84C16Q-7-F	DDZ12CQ-7	DDZ9709Q-7
BAS16TWQ-13R-F	BAV23AQ-7-F	BZT52C39SQ-7-F	BZX84C18Q-13-F	DDZ15Q-7	DDZ9712Q-7
BAV99TQ-13-F	BAS21TMQ-13	BZT52C3V0Q-7-F	BZX84C18Q-7-F	DDZ16BQ-7	DDZ9713Q-7
BAS116Q-13-F	BAS21DWAQ-7	BZT52C3V0SQ-7-F	BZX84C20Q-13-F	DDZ16Q-7	DDZ9714Q-7
BAV170Q-13-F	AZ23C20Q-13-F	BZT52C3V3Q-7-F	BZX84C20Q-7-F	DDZ17Q-7	DDZX5V1BQ-7
BAV170Q-7-F	AZ23C27Q-7-F	BZT52C3V3SQ-7-F	BZX84C22Q-7-F	DDZ18CQ-7	DZ23C15Q-7-F
BAV199Q-13-F	AZ23C5V6Q-7-F	BZT52C3V6Q-7-F			

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**Table 2 – Qualification of Phenitec as Alternate Die Source**

MMBZ27VALQ-13-F	MMBZ27VALQ-7-F	DFLZ24Q-7			
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**Table 3 – Qualification of Both Diodes Internal SFAB1 and Phenitec as Alternate Die Sources**

ASMCC0217Q-7	DESD1P0RFWQ-7				
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