



DATE: 9th January, 2015

PCN #: 2169

PCN Title: Lead Frame Structure, Mold Compound and Solder Type changes to enhance PowerDI-5 package

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-2169 REV 00**

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
9 th January, 2015	9 th April, 2015	Discrete Products	Lead Frame structure, Assembly Materials	2169
TITLE				
Lead Frame Structure, Mold Compound and Solder Type changes to enhance PowerDI-5 package robustness				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that in order to improve PowerDI-5 package body strength and gain better device power dissipation capability, Diodes Incorporated has qualified an enhanced lead frame structure, mold compound and solder materials for PowerDI-5 packaged products.</p> <p>Full electrical characterization and high reliability testing have been completed to ensure that no changes in product reliability, device functionality or data sheet electrical specifications exist.</p> <p>There will be no change to the Form, Fit, or Function of affected products.</p> <p>No other changes will be made.</p>				
IMPACT				
No change in datasheet parameters and product performance				
PRODUCTS AFFECTED				
Please refer to the attached part lists				
WEB LINKS				
Manufacturer's Notice:	http://www.diodes.com/quality/pcns			
For More Information Contact:	http://www.diodes.com/contacts			
Data Sheet:	http://www.diodes.com/products			
DISCLAIMER				
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.				

Table 1 - Affected Part List				
PDR3G-13	PDS1040L-13	PDU340-13	SBR12U100P5-13	SBRT20U60SP5-13
PDR5K-13	PDS1040S-13	PDU420-13	SBR15U30SP5-13	SBRT15M50AP5-7
PDS1045-13	PDS3100-13	PDU540-13	SBR10A45SP5-13	SBRT15U100SP5-7
PDS3200-13	PDS360-13	PDU620-13	PDS1240CTL-13	SBRT20U60SP5-7
SBR10U200P5-13	PDS4150-13	PDU620CT-13	SBR6U400P5-13	SBRT20U60SP5-7D
SBR8A45SP5-13	PDS4200H-13	PDS340-13	SBR8U20SP5-13	SBRT20M60SP5-7
SBR15U50SP5-13	PDS5100-13	SBR10U45SP5-13	SBR8A60P5-13	SBRT20M60SP5-7D
SBRT10U50SP5-13	PDS5100H-13	SBR1045SP5-13	SBRT15U50SP5-13	SBRT15U50SP5-13D
SBRT15U100SP5-13	PDS540-13	SBR8U60P5-13	SBR8M45SP5-13	PDS540-13D
PDR5G-13	PDS560-13	SBR12A45SP5-13	SBR15A30SP5-13	SBR8U60P5-7
PDS1040-13	PDS760-13	SBR12U120P5-13	SBRT10M50SP5-13	SBR12U120P5-13D
PDS1040CTL-13	PDS835L-13			

Table 2 - Affected Automotive (Q) Part List				
PDS1040Q-13	PDS3100Q-13	PDS3100Q-7	PDS3200Q-13	PDS340Q-13
PDS4150Q-13	PDS5100HQ-13	PDS5100HQ-13D	PDS5100Q-13D	PDS540Q-13
PDS560Q-13	PDS760Q-13	SBR10A45SP5Q-13	SBR10U45SP5Q-13	SBR12U100P5Q-13
SBR12U100P5Q-13D	SBR8U20SP5Q-13	SBR8U60P5Q-13D		