



DATE: 28 February, 2018

PCN #: 2305

PCN Title: Addition of A Passivation Layer Over The Top Metal of The Die for Selected BJT 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 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-2305 REV 1**

| Notification Date: | Implementation Date: | Product Family: | Change Type: | PCN #: |
|---|---|------------------------|---------------------|---------------|
| 28 February, 2018 | 28 May, 2018 | Discrete | Die Passivation | 2305 |
| TITLE | | | | |
| Addition of A Passivation Layer Over The Top Metal of The Die for Selected BJT Devices | | | | |
| DESCRIPTION OF CHANGE | | | | |
| <p>This PCN is being issued to notify customers that in order to improve product manufacturability, Diodes Incorporated has qualified the addition of a passivation layer over the top metal of the die for selected BJT products.</p> <p>Full electrical characterization and reliability testing has been completed on representative part numbers built with the additional passivation layer to ensure there is no change to product reliability, device functionality or electrical specifications in the datasheet. See attached (embedded) qualification report within this file.</p> <p>There will be no change to the Form, Fit, or Function of affected products.</p> | | | | |
| IMPACT | | | | |
| No change in datasheet parameters | | | | |
| PRODUCTS AFFECTED | | | | |
| Please refer to Table 1 for the affected devices | | | | |
| WEB LINKS | | | | |
| Manufacturer's Notice: | https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/ | | | |
| 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 Devices

| | | | | |
|---------------|----------------|----------------|----------------|----------------|
| 2DA1201Y-7 | DSS5160V-7 | ZXTN19020CFFTA | ZXTN25020DGTA | ZXTP2012ASTZ |
| 2DA2018-7 | DSS5220V-7 | ZXTN19020DFFTA | ZXTN25020DZTA | ZXTP2012GTA |
| 2DB1714-13 | DSS5240T-13 | ZXTN19020DGTA | ZXTN25040DFHTA | ZXTP2012Z-13R |
| 2DD2679-13 | DSS5240T-7 | ZXTN19020DZTA | ZXTN25040DFLTA | ZXTP2012ZTA |
| DSL12AW-7 | DSS5240V-7 | ZXTN19055DZTA | ZXTN25040DZTA | ZXTP2013GTA |
| DSS20200L-7 | DSS5540X-13 | ZXTN19060CFFTA | ZXTN25050DFHTA | ZXTP2013ZTA |
| DSS20201L-7 | DSS60600MZ4-13 | ZXTN19060CGTA | ZXTN25060BFHTA | ZXTP2014GTA |
| DSS2515M-7 | DSS60601MZ4-13 | ZXTN19100CFFTA | ZXTN25060BZTA | ZXTP2014ZTA |
| DSS2515M-7B | DSS8110Y-7 | ZXTN19100CGTA | ZXTN25100BFHTA | ZXTP2025FTA |
| DSS2540M-7 | DXT651-13 | ZXTN19100CZTA | ZXTN25100DFHTA | ZXTP2027FTA |
| DSS2540M-7B | DXTN26070CY-13 | ZXTN2005GTA | ZXTN25100DGTA | ZXTP2029FTA |
| DSS30101L-7 | ZX5T1951GTA | ZXTN2005ZTA | ZXTN25100DZTA | ZXTP23015CFHTA |
| DSS3515M-7 | ZX5T2E6TA | ZXTN2007GTA | ZXTN26020DMFTA | ZXTP23140BFHTA |
| DSS3515M-7B | ZX5T849GTA | ZXTN2007ZTA | ZXTN26070CV-7 | ZXTP25012EFHTA |
| DSS3540M-7B | ZX5T851ASTZ | ZXTN2010GTA | ZXTN4002ZTA | ZXTP25012EZTA |
| DSS4140U-7 | ZX5T851GTA | ZXTN2010Z-13R | ZXTN649FTA | ZXTP25020BFHTA |
| DSS4140V-7 | ZX5T851GTC | ZXTN2010ZTA | ZXTP03200BGTA | ZXTP25020CFFTA |
| DSS4160DS-7 | ZX5T853GTA | ZXTN2011GTA | ZXTP03200BZTA | ZXTP25020CFHTA |
| DSS4160T-7 | ZX5T949GTA | ZXTN2011ZTA | ZXTP19020CFFTA | ZXTP25020DFHTA |
| DSS4160U-7 | ZX5T951GTA | ZXTN2018FTA | ZXTP19020DFFTA | ZXTP25020DFLTA |
| DSS4160V-7 | ZX5T951GTC | ZXTN2020FTA | ZXTP19020DGTA | ZXTP25020DGTA |
| DSS4220V-7 | ZX5T953GTA | ZXTN2031FTA | ZXTP19020DZTA | ZXTP25020DZTA |
| DSS4240T-13 | ZX5T955GTA | ZXTN23015CFHTA | ZXTP19060CFFTA | ZXTP25040DFHTA |
| DSS4240T-7 | ZX5T955GTC | ZXTN25012EFHTA | ZXTP19060CGTA | ZXTP25040DFLTA |
| DSS4240V-7 | ZX5T955ZTA | ZXTN25012EFLTA | ZXTP19060CZTA | ZXTP25040DZTA |
| DSS4240Y-7 | ZXGD3001E6TA | ZXTN25012EZTA | ZXTP19100CFFTA | ZXTP25060BFHTA |
| DSS4320T-7 | ZXGD3002E6TA | ZXTN25015DFHTA | ZXTP19100CGTA | ZXTP25100BFHTA |
| DSS45160FDB-7 | ZXGD3004E6TA | ZXTN25020BFHTA | ZXTP19100CZTA | ZXTP25100CFHTA |
| DSS5140U-7 | ZXT13P20DE6TA | ZXTN25020CFHTA | ZXTP2006E6TA | ZXTP25100CZTA |
| DSS5160FDB-7 | ZXTC2061E6TA | ZXTN25020DFHTA | ZXTP2008GTA | ZXTP25140BFHTA |
| DSS5160T-7 | ZXTC2062E6TA | ZXTN25020DFLTA | ZXTP2008ZTA | ZXTP749FTA |
| DSS5160U-7 | ZXTC2063E6TA | | | |