



Product Change Notification



Product Group: Diodes Division / April 20, 2017 / PCN-DD-007-2017 Rev. 0

Strip Plating Conversion for BYG Automotive Grade Products in SMA Package

DESCRIPTION OF CHANGE:

Following to the company policy of continuous quality improvement, Vishay Diodes Division would like to change the lead finishing process of automotive grade BYG products in SMA packages from barrel plating to strip plating, to improve plating thickness uniformity. It is the same plating line that already history introduced thru. PCN-DD-026-2012 Rev.0.

The strip plating line also meets JESD 201 class2 whisker test, and there will be no changes in the form, fit or function of the final products shipped to customer production site.

CLASSIFICATION OF CHANGE: Plating scheme

REASON FOR CHANGE: Product consolidation and capacity expansion to improve delivery service.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

Better plating thickness uniformity, no change in other quality and reliability performance

PRODUCT CATEGORY: Rectifier

PART NUMBERS/SERIES/FAMILIES AFFECTED: The Involved P/Ns are listed in below table

Existing P/N	New revision PN	Existing P/N	New revision PN
BYG10DHE3/TR	BYG10DHE3_A/H	BYG20DHE3/TR	BYG20DHE3_A/H
BYG10DHE3/TR3	BYG10DHE3_A/I	BYG20DHE3/TR3	BYG20DHE3_A/I
BYG10DHM3/TR	BYG10DHM3_A/H	BYG20DHM3/TR	BYG20DHM3_A/H
BYG10DHM3/TR3	BYG10DHM3_A/I	BYG20DHM3/TR3	BYG20DHM3_A/I
BYG10GHE3/TR	BYG10GHE3_A/H	BYG20GHE3/TR	BYG20GHE3_A/H
BYG10GHE3/TR3	BYG10GHE3_A/I	BYG20GHE3/TR3	BYG20GHE3_A/I
BYG10GHM3/TR	BYG10GHM3_A/H	BYG20GHM3/TR	BYG20GHM3_A/H
BYG10GHM3/TR3	BYG10GHM3_A/I	BYG20GHM3/TR3	BYG20GHM3_A/I
BYG10JHE3/TR	BYG10JHE3_A/H	BYG20J-7001HE3/TR3	BYG20J-7001HE3_A/I
BYG10JHE3/TR3	BYG10JHE3_A/I	BYG20JHE3/TR	BYG20JHE3_A/H
BYG10JHM3/TR	BYG10JHM3_A/H	BYG20JHE3/TR3	BYG20JHE3_A/I
BYG10JHM3/TR3	BYG10JHM3_A/I	BYG20JHM3/TR	BYG20JHM3_A/H
BYG10KHE3/TR	BYG10KHE3_A/H	BYG20JHM3/TR3	BYG20JHM3_A/I
BYG10KHE3/TR3	BYG10KHE3_A/I	BYG21KHE3/TR	BYG21KHE3_A/H
BYG10KHM3/TR	BYG10KHM3_A/H	BYG21KHE3/TR3	BYG21KHE3_A/I
BYG10KHM3/TR3	BYG10KHM3_A/I	BYG21KHM3/TR	BYG21KHM3_A/H
BYG10MHE3/TR	BYG10MHE3_A/H	BYG21KHM3/TR3	BYG21KHM3_A/I
BYG10MHE3/TR3	BYG10MHE3_A/I	BYG21MHE3/TR	BYG21MHE3_A/H
BYG10MHM3/TR	BYG10MHM3_A/H	BYG21MHE3/TR3	BYG21MHE3_A/I
BYG10MHM3/TR3	BYG10MHM3_A/I	BYG21MHM3/TR	BYG21MHM3_A/H



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Existing P/N	New revision PN	Existing P/N	New revision PN
BYG21MHM3/TR3	BYG21MHM3_A/I	BYG23MHM3/TR	BYG23MHM3_A/H
BYG22AHE3/TR	BYG22AHE3_A/H	BYG23MHM3/TR3	BYG23MHM3_A/I
BYG22AHE3/TR3	BYG22AHE3_A/I	BYG24DHE3/TR	BYG24DHE3_A/H
BYG22AHM3/TR	BYG22AHM3_A/H	BYG24DHE3/TR3	BYG24DHE3_A/I
BYG22AHM3/TR3	BYG22AHM3_A/I	BYG24DHM3/TR	BYG24DHM3_A/H
BYG22BHE3/TR	BYG22BHE3_A/H	BYG24DHM3/TR3	BYG24DHM3_A/I
BYG22BHE3/TR3	BYG22BHE3_A/I	BYG24GHE3/TR	BYG24GHE3_A/H
BYG22BHM3/TR	BYG22BHM3_A/H	BYG24GHE3/TR3	BYG24GHE3_A/I
BYG22BHM3/TR3	BYG22BHM3_A/I	BYG24GHM3/TR	BYG24GHM3_A/H
BYG22DHE3/TR	BYG22DHE3_A/H	BYG24GHM3/TR3	BYG24GHM3_A/I
BYG22DHE3/TR3	BYG22DHE3_A/I	BYG24JHE3/TR	BYG24JHE3_A/H
BYG22DHM3/TR	BYG22DHM3_A/H	BYG24JHE3/TR3	BYG24JHE3_A/I
BYG22DHM3/TR3	BYG22DHM3_A/I	BYG24JHM3/TR	BYG24JHM3_A/H
BYG23MHE3/TR	BYG23MHE3_A/H	BYG24JHM3/TR3	BYG24JHM3_A/I
BYG23MHE3/TR3	BYG23MHE3_A/I		

VISHAY BRAND: Vishay General Semiconductor

TIME SCHEDULE: Start Conversion Date: July 1st, 2017
Last Time Buy Date: October 20, 2017
Last Time Shipment Date: April 20, 2018

SAMPLE AVAILABILITY: Available upon request

PRODUCT IDENTIFICATION: Adding underscore “_” + revision code “A” following base part number as the identification. Meanwhile, the package code will be simplified, too.

QUALIFICATION DATA: Available upon request.

RESPONSE DATE: This PCN is considered approved, without further notification, unless we receive specific customer concerns before **June 20, 2017** or as specified by contract. Also the generic LTB/LTS schedule could be changed upon specific customer contract.

ISSUED BY: Roland Reuschle, Senior Product Marketing Manager – ESD & Avalanche Rectifier

For further information, please contact your regional Vishay office.

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