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Product Change Notification



Product Group: DD/Mon Nov 13, 2023/PCN-DD-032-2023-REV-0

Front-end Process Consolidation for 200V TMBS Automotive Grade Products

For further information, please contact your regional Vishay office.

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Description of Change: Vishay Diodes Division is announcing the front-end process consolidation for 200V TMBS (Trench MOS Barrier Schottky) automotive grade products at Vishay wafer fab in Taiwan. Please refer to annex 1 for change view and LTB/LTS information. Meanwhile, 200V TMBS in SMPC , SMP & SMF packages will also follow the change communicated in PCN-DD-037-2022 , PCN-DD-009-2023 and PCN-DD-027-2023 to introduce an additional in-house back-end manufacturing site in Kaohsiung, Taiwan. There will be no change in form, fit and function on all affected products. Upon the approval of this PCN, all future and customized part number for related product in the same package will adopt the same change.

Reason for Change: Foundry supplier service discontinuation and capacity utilization

Expected Influence on Quality/Reliability/Performance: No changes in quality and reliability performance

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay General Semiconductor

Time Schedule:

Start Shipment Date: Thu Feb 15, 2024

Sample Availability: Available upon request

Product Identification: as shown in annex 1 below

Qualification Data: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Tue Feb 13, 2024 or as specified by contract.

Issued By: Eddie Hwang, Product Marketing Director – Schottky Rectifier , Eddie.Hwang@vishay.com



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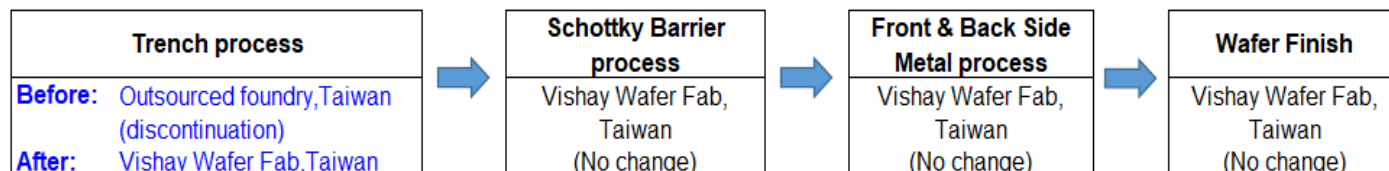
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V8P22HM3/H	V8P22HM3/I	V10P22HM3/H	V10P22HM3/I	V12P22HM3/H
V12P22HM3/I	V15P22HM3/H	V15P22HM3/I	V1F22HM3/H	V1F22HM3/I
V2F22HM3/H	V2F22HM3/I	V2P22LHM3/H	V2P22LHM3/I	V3P22HM3/H
V3P22HM3/I	V10K170CHM3/H	V10K170CHM3/I	V10K202CHM3/H	V10K202CHM3/I
V10K202DUHM3/H	V10K202DUHM3/I	V10P22CHM3/H	V10P22CHM3/I	V15K170CHM3/H
V15K170CHM3/I	V15K202CHM3/H	V15K202CHM3/I	V1P22HM3/H	V20K170HM3/H
V20K170HM3/I	V20K202HM3/H	V20K202HM3/I	V20PW22CHM3/I	V20PW22HM3/I
V2P22HM3/H	V30K170HM3/H	V30K170HM3/I	V30K202HM3/H	V30K202HM3/I
V35PW22HM3/I	V40PW22CHM3/I	V4P22CHM3/H	V4P22CHM3/I	V5PA22HM3/I
V6P22CHM3/H	V6P22CHM3/I	V8K202DUHM3/H	V8K202DUHM3/I	V8P22CHM3/H
V8P22CHM3/I	V8PA22HM3/H	V8PA22HM3/I	VSSAF522-01HM3/H	VSSAF522-01HM3/I
VSSAF522HM3/H	VSSAF522HM3/I	VX20170CHM3/P	VX20202CHM3/P	VX30170CHM3/P
VX30202CHM3/P	VX60170PWHM3/P	VX60202PGWHM3/P	VX60202PWHM3/P	VX80170PWHM3/P

Annex 1

Front-end Process



Time Schedule:

Start Shipment Date of new revision P/N with 100% Vishay in-house wafer fab: February 15, 2024

LTB of Existing P/N with wafer fab front process outsourced foundry: April 13, 2024

LTS of Existing P/N with wafer fab front process outsourced foundry: November 13, 2024

Product Identification:

Adding underscore (_) + revision code “A” following base part number as the identification for 100% in-house wafer Fab.

The new manufacturing code “K” will be marked next to the date code of device marking as the identification, for example, “M3BK” (M–halogen-free compound, 3 - 2023, B – November, K – Kaohsiung, Taiwan) for SMPC, SMP and “RBK” (R - 2023, B – November, K – Kaohsiung, Taiwan) for SMF.

Part Numbers affected listed below

1. Front-end process consolidation + Additional in-house back-end manufacturing site

Existing P/N	New Rev. P/N	Existing P/N	New Rev. P/N
V8P22HM3/H	V8P22HM3_A/H	V1F22HM3/H	V1F22HM3_A/H
V8P22HM3/I	V8P22HM3_A/I	V1F22HM3/I	V1F22HM3_A/I
V10P22HM3/H	V10P22HM3_A/H	V2F22HM3/H	V2F22HM3_A/H
V10P22HM3/I	V10P22HM3_A/I	V2F22HM3/I	V2F22HM3_A/I
V12P22HM3/H	V12P22HM3_A/H	V2P22LHM3/H	V2P22LHM3_A/H
V12P22HM3/I	V12P22HM3_A/I	V2P22LHM3/I	V2P22LHM3_A/I
V15P22HM3/H	V15P22HM3_A/H	V3P22HM3/H	V3P22HM3_A/H
V15P22HM3/I	V15P22HM3_A/I	V3P22HM3/I	V3P22HM3_A/I

2. Only front-end process consolidation:

Existing P/N	New Rev. P/N	Existing P/N	New Rev. P/N
V10K170CHM3/H	V10K170CHM3_A/H	V40PW22CHM3/I	V40PW22CHM3_A/I
V10K170CHM3/I	V10K170CHM3_A/I	V4P22CHM3/H	V4P22CHM3_A/H
V10K202CHM3/H	V10K202CHM3_A/H	V4P22CHM3/I	V4P22CHM3_A/I
V10K202CHM3/I	V10K202CHM3_A/I	V5PA22HM3/I	V5PA22HM3_A/I
V10K202DUHM3/H	V10K202DUHM3_A/H	V6P22CHM3/H	V6P22CHM3_A/H
V10K202DUHM3/I	V10K202DUHM3_A/I	V6P22CHM3/I	V6P22CHM3_A/I
V10P22CHM3/H	V10P22CHM3_A/H	V8K202DUHM3/H	V8K202DUHM3_A/H
V10P22CHM3/I	V10P22CHM3_A/I	V8K202DUHM3/I	V8K202DUHM3_A/I
V15K170CHM3/H	V15K170CHM3_A/H	V8P22CHM3/H	V8P22CHM3_A/H
V15K170CHM3/I	V15K170CHM3_A/I	V8P22CHM3/I	V8P22CHM3_A/I
V15K202CHM3/H	V15K202CHM3_A/H	V8PA22HM3/H	V8PA22HM3_A/H
V15K202CHM3/I	V15K202CHM3_A/I	V8PA22HM3/I	V8PA22HM3_A/I
V1P22HM3/H	V1P22HM3_A/H	VSSAF522-01HM3/H	VSSAF522-01HM3_A/H
V20K170HM3/H	V20K170HM3_A/H	VSSAF522-01HM3/I	VSSAF522-01HM3_A/I
V20K170HM3/I	V20K170HM3_A/I	VSSAF522HM3/H	VSSAF522HM3_A/H
V20K202HM3/H	V20K202HM3_A/H	VSSAF522HM3/I	VSSAF522HM3_A/I
V20K202HM3/I	V20K202HM3_A/I	VX20170CHM3/P	VX20170CHM3_A/P
V20PW22CHM3/I	V20PW22CHM3_A/I	VX20202CHM3/P	VX20202CHM3_A/P
V20PW22HM3/I	V20PW22HM3_A/I	VX30170CHM3/P	VX30170CHM3_A/P
V2P22HM3/H	V2P22HM3_A/H	VX30202CHM3/P	VX30202CHM3_A/P
V30K170HM3/H	V30K170HM3_A/H	VX60170PWHM3/P	VX60170PWHM3_A/P
V30K170HM3/I	V30K170HM3_A/I	VX60202PGWHM3/P	VX60202PGWHM3_A/P
V30K202HM3/H	V30K202HM3_A/H	VX60202PWHM3/P	VX60202PWHM3_A/P
V30K202HM3/I	V30K202HM3_A/I	VX80170PWHM3/P	VX80170PWHM3_A/P
V35PW22HM3/I	V35PW22HM3_A/I		