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Front-end Process Consolidation for 200V TMBS Commercial 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) commercial grade products at Vishay wafer fab in Taiwan, as shown in annex 1 below.

Meanwhile, 200V TMBS in SMF package will also follow the changes communicated in PCN-DD-019-2023 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, Vishay Semiconductors

Time Schedule:

Start Shipment Date: Wed Dec 27, 2023

Sample Availability: Available upon request

Product Identification: Wafer source traceability is done through Lot Number. For SMF, the new manufacturing code “K” will be marked next to the date code of device marking as the identification, for example, “R8K” (R - 2023, 8 – August, K – Kaohsiung, Taiwan).

Qualification Data: The generic qualpack is valid only for discrete and that power module qualpack is available upon request.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Tue Nov 28, 2023 or as specified by contract.

Issued By: Eddie Hwang (for discrete products) , Fabio Bertuccio (for power module products)



Product Change Notification



Product Group: DD/Thu Sep 28, 2023/PCN-DD-024-2023-REV-0

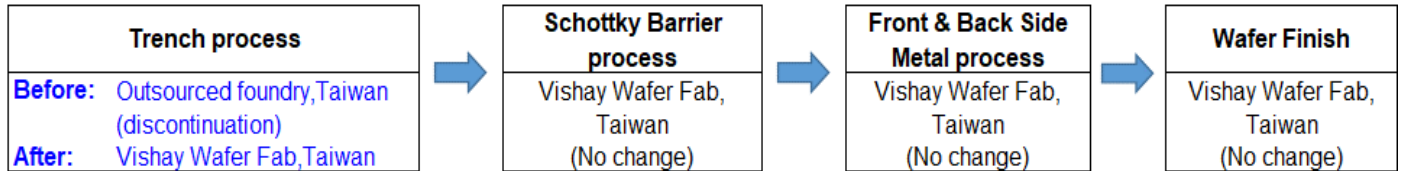
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VT10202C-M3/4W	V30202C-M3/4W	VB20202G-M3/8W	VBT10202C-M3/8W	VF20202G-M3/4W
VI20202C-M3/4W	VIT5202-M3/4W	VX80170PW-M3/P	VX30202C-M3/P	V3P22-M3/H
V15P22-M3/H	V10P22C-M3/H	V10K202C-M3/H	V20K202-M3/H	V3P22-M3/I
V15P22-M3/I	V10P22C-M3/I	V10K202C-M3/I	V20K202-M3/I	VSSAF522-M3/H
V35PW22-M3/I	V30K170-01M3/IE	VT5202-M3/4W	VB20202C-M3/4W	VB30202C-M3/4W
VBT5202-M3/4W	VF30202C-M3/4W	VI20202G-M3/4W	VX60202PGW-M3/P	VX20170C-M3/P
V1P22-M3/H	V8P22-M3/H	V4P22C-M3/H	V8K202DU-M3/H	V15K170C-M3/H
V30K170-M3/H	V8P22-M3/I	V4P22C-M3/I	V8K202DU-M3/I	V15K170C-M3/I
V30K170-M3/I	V5PA22-M3/I	V40PW22C-M3/I	VX60202PW-M3Z/P	V20202C-M3/4W
VB20202C-M3/8W	VB30202C-M3/8W	VBT5202-M3/8W	VFT10202C-M3/4W	VI30202C-M3/4W
VX60170PW-M3/P	VX20202C-M3/P	V2P22-M3/H	V10P22-M3/H	V6P22C-M3/H
V10K202DU-M3/H	V15K202C-M3/H	V30K202-M3/H	V10P22-M3/I	V6P22C-M3/I
V10K202DU-M3/I	V15K202C-M3/I	V30K202-M3/I	V20PW22C-M3/I	V10P22-M3C/H
V8PA22-M3/H	V20202G-M3/4W	VB20202G-M3/4W	VBT10202C-M3/4W	VF20202C-M3/4W
VFT5202-M3/4W	VIT10202C-M3/4W	VX60202PW-M3/P	VX30170C-M3/P	V2P22L-M3/H
V12P22-M3/H	V8P22C-M3/H	V10K170C-M3/H	V20K170-M3/H	V2P22L-M3/I
V12P22-M3/I	V8P22C-M3/I	V10K170C-M3/I	V20K170-M3/I	VSSAF522-M3/I
V20PW22-M3/I	V10P22-M3C/I	V8PA22-M3/I	V1F22-M3/H	V2F22-M3Z/H
V1F22-M3/I	V2F22-M3/I	V1F22-M3C/I	V2F22-M3/H	VS-QA300FA17
VS-QA250FA20	VS-402CNQ200PBF			



Annex 1

Front-end Process



Part Numbers affected listed below

1. Only front-end process consolidation:

- Discrete products:

VT10202C-M3/4W	VT5202-M3/4W	V20202C-M3/4W	V20202G-M3/4W
V30202C-M3/4W	VB20202C-M3/4W	VB20202C-M3/8W	VB20202G-M3/4W
VB20202G-M3/8W	VB30202C-M3/4W	VB30202C-M3/8W	VBT10202C-M3/4W
VBT10202C-M3/8W	VBT5202-M3/4W	VBT5202-M3/8W	VF20202C-M3/4W
VF20202G-M3/4W	VF30202C-M3/4W	VFT10202C-M3/4W	VFT5202-M3/4W
VI20202C-M3/4W	VI20202G-M3/4W	VI30202C-M3/4W	VIT10202C-M3/4W
VIT5202-M3/4W	VX60202PGW-M3/P	VX60170PW-M3/P	VX60202PW-M3/P
VX80170PW-M3/P	VX20170C-M3/P	VX20202C-M3/P	VX30170C-M3/P
VX30202C-M3/P	V1P22-M3/H	V2P22-M3/H	V2P22L-M3/H
V3P22-M3/H	V8P22-M3/H	V10P22-M3/H	V12P22-M3/H
V15P22-M3/H	V4P22C-M3/H	V6P22C-M3/H	V8P22C-M3/H
V10P22C-M3/H	V8K202DU-M3/H	V10K202DU-M3/H	V10K170C-M3/H
V10K202C-M3/H	V15K170C-M3/H	V15K202C-M3/H	V20K170-M3/H
V20K202-M3/H	V30K170-M3/H	V30K202-M3/H	V2P22L-M3/I
V3P22-M3/I	V8P22-M3/I	V10P22-M3/I	V12P22-M3/I
V15P22-M3/I	V4P22C-M3/I	V6P22C-M3/I	V8P22C-M3/I
V10P22C-M3/I	V8K202DU-M3/I	V10K202DU-M3/I	V10K170C-M3/I
V10K202C-M3/I	V15K170C-M3/I	V15K202C-M3/I	V20K170-M3/I
V20K202-M3/I	V30K170-M3/I	V30K202-M3/I	VSSAF522-M3/I
VSSAF522-M3/H	V5PA22-M3/I	V20PW22C-M3/I	V20PW22-M3/I
V35PW22-M3/I	V40PW22C-M3/I	V10P22-M3C/H	V10P22-M3C/I
V30K170-01M3/IE	VX60202PW-M3Z/P	V8PA22-M3/H	V8PA22-M3/I

- Power module products:

VS-QA300FA17	VS-QA250FA20	VS-402CNQ200PBF
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2. Front-end process consolidation + Additional in-house back-end manufacturing site:

- Discrete products:

V1F22-M3/H	V1F22-M3/I	V1F22-M3C/I	V2F22-M3/H
V2F22-M3Z/H	V2F22-M3/I		