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Product Change Notification



Product Group: DD/Tue Jun 11, 2024/PCN-DD-017-2024-REV-0

8 inch Wafer for Planar Schottky Automotive Grade Products in MicroSMP and SMA packages

For further information, please contact your regional Vishay office.

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Description of Change: In addition to the existing 6-inch wafer source, Vishay Diodes Division will incorporate an 8-inch wafer production line within the same manufacturing plant located in Taiwan. This consolidation is aimed at expanding our capacity in producing automotive-grade planar Schottky rectifiers, specifically in MicroSMP and SMA packages. Furthermore, as part of this integration, we are introducing a consolidation to our polyimide coating process for the 90V and 100V Schottky rectifiers on the 8-inch wafer platform. The coating process will now utilize a photo process contrary to the screen-printing process used in the 6-inch wafers.

The planar Schottky rectifiers on 8-inch wafer platform have been qualified to meet our specification and performance standards. 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: Capacity expansion and process consolidation

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: Mon Sep 16, 2024

Sample Availability: Available upon request

Product Identification: Wafer source traceability is done through Lot Number

Qualification Data: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Wed Sep 11, 2024 or as specified by contract.

Issued By: Eddie Hwang, Product Marketing Director – Schottky Rectifier



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BYS10-25HE3_A/H	BYS10-25HE3_A/I	BYS10-25HM3_A/H	BYS10-25HM3_A/I	BYS10-35HE3_A/H
BYS10-35HE3_A/I	BYS10-35HM3_A/H	BYS10-35HM3_A/I	BYS10-45HE3_A/H	BYS10-45HE3_A/I
BYS10-45HM3_A/H	BYS10-45HM3_A/I	MSS1P2LHM3_A/H	MSS1P3HM3_A/H	MSS1P3LHM3_A/H
MSS1P4-61HM3J_A/H	MSS1P4HM3_A/H	MSS1P4HM3J_A/H	MSS1P5HM3_A/H	MSS1P6-61HM3J_A/H
MSS1P6HM3_A/H	MSS1P6HM3J_A/H	MSS2P2HM3_A/H	MSS2P3HM3_A/H	SL12HE3_B/H
SL12HE3_B/I	SL13HE3_B/H	SL13HE3_B/I	SS12HE3_B/H	SS12HE3_B/I
SS12HM3_B/H	SS12HM3_B/I	SS13HE3_B/H	SS13HE3_B/I	SS13HM3_B/H
SS13HM3_B/I	SS14-61HE3J_B/H	SS14-6HE3_B/I	SS14-7000HE3_B/I	SS14-7001HE3_B/I
SS14-71CHE3_B/I	SS14HE3_B/H	SS14HE3_B/I	SS14HM3_B/H	SS14HM3_B/I
SS15HE3_B/H	SS15HE3_B/I	SS15HM3_B/H	SS15HM3_B/I	SS16-004HE3_B/I
SS16-3HE3_B/I	SS16HE3_B/H	SS16HE3_B/I	SS16HM3_B/H	SS16HM3_B/I
SS22SHE3_B/H	SS22SHE3_B/I	SS23SHE3_B/H	SS23SHE3_B/I	SS24S-61HE3J_B/I
SS24SHE3_B/H	SS24SHE3_B/I	SS25SHE3_B/H	SS25SHE3_B/I	SS26SHE3_B/H
SS26SHE3_B/I	SSA23LHE3_A/H	SSA23LHE3_A/I	SSA24HE3_A/H	SSA24HE3_A/I
SSA33L-BHE3_A/H	SSA33L-BHE3_A/I	SSA33LHE3_A/H	SSA33LHE3_A/I	SSA34-001HE3_A/I
SSA34HE3_A/H	SSA34HE3_A/I	BYS11-90HE3_A/H	BYS11-90HE3_A/I	BYS12-90HE3_A/H
BYS12-90HE3_A/I	SS1H10HE3_B/H	SS1H10HE3_B/I	SS1H10HM3_B/H	SS1H10HM3_B/I
SS1H9HE3_B/H	SS1H9HE3_B/I	SS1H9HM3_B/H	SS1H9HM3_B/I	

Annex 1

1. Additional 8inch wafer:

BYS10-25HE3_A/H	MSS1P6HM3_A/H	SS14-71CHE3_B/I	SS24SHE3_B/H
BYS10-25HE3_A/I	MSS1P6HM3J_A/H	SS14HE3_B/H	SS24SHE3_B/I
BYS10-25HM3_A/H	MSS2P2HM3_A/H	SS14HE3_B/I	SS25SHE3_B/H
BYS10-25HM3_A/I	MSS2P3HM3_A/H	SS14HM3_B/H	SS25SHE3_B/I
BYS10-35HE3_A/H	SL12HE3_B/H	SS14HM3_B/I	SS26SHE3_B/H
BYS10-35HE3_A/I	SL12HE3_B/I	SS15HE3_B/H	SS26SHE3_B/I
BYS10-35HM3_A/H	SL13HE3_B/H	SS15HE3_B/I	SSA23LHE3_A/H
BYS10-35HM3_A/I	SL13HE3_B/I	SS15HM3_B/H	SSA23LHE3_A/I
BYS10-45HE3_A/H	SS12HE3_B/H	SS15HM3_B/I	SSA24HE3_A/H
BYS10-45HE3_A/I	SS12HE3_B/I	SS16-004HE3_B/I	SSA24HE3_A/I
BYS10-45HM3_A/H	SS12HM3_B/H	SS16-3HE3_B/I	SSA33L-BHE3_A/H
BYS10-45HM3_A/I	SS12HM3_B/I	SS16HE3_B/H	SSA33L-BHE3_A/I
MSS1P2LHM3_A/H	SS13HE3_B/H	SS16HE3_B/I	SSA33LHE3_A/H
MSS1P3HM3_A/H	SS13HE3_B/I	SS16HM3_B/H	SSA33LHE3_A/I
MSS1P3LHM3_A/H	SS13HM3_B/H	SS16HM3_B/I	SSA34-001HE3_A/I
MSS1P4-61HM3J_A/H	SS13HM3_B/I	SS22SHE3_B/H	SSA34HE3_A/H
MSS1P4HM3_A/H	SS14-61HE3J_B/H	SS22SHE3_B/I	SSA34HE3_A/I
MSS1P4HM3J_A/H	SS14-6HE3_B/I	SS23SHE3_B/H	
MSS1P5HM3_A/H	SS14-7000HE3_B/I	SS23SHE3_B/I	
MSS1P6-61HM3J_A/H	SS14-7001HE3_B/I	SS24S-61HE3J_B/I	

2. Additional 8inch wafer + polyimide coating method change:

BYS11-90HE3_A/H	BYS12-90HE3_A/I	SS1H10HM3_B/H	SS1H9HE3_B/I
BYS11-90HE3_A/I	SS1H10HE3_B/H	SS1H10HM3_B/I	SS1H9HM3_B/H
BYS12-90HE3_A/H	SS1H10HE3_B/I	SS1H9HE3_B/H	SS1H9HM3_B/I