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Product Change Notification



Product Group: DD/Tue Oct 1, 2024/PCN-DD-029-2024-REV-0

8 inch Wafer for Automotive Grade Solderable TMBS

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 TMBS (Trench MOS Barrier Schottky) rectifiers, specifically in SMA, SlimDPAK, FlatPAK5x6, MicroSMP, SMPA, SMPD, SlimSMA, SlimSMAW packages. As part of this integration, the top metal of the TMBS 8-inch solderable wafer will utilize Ti/Ni/Ag, aligning with the top metal used in the planar Schottky wafers. Additionally, the polyimide coating process on the 8-inch wafer platform will follow the same procedure as that of 8-inch planar Schottky wafer to consolidate the manufacturing process.

The TMBS 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: Wed Jan 1, 2025

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 Tue Dec 31, 2024 or as specified by contract.

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



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V10D100CHM3/I	V10D120CHM3/I	V10D60CHM3_A/I	V10DM100CHM3/I	V10DM150CHM3/I
V10DM60CHM3/I	V10K100CHM3/H	V10K100CHM3/I	V10K100DUHM3/H	V10K100DUHM3/I
V10K120CHM3/H	V10K120CHM3/I	V10K150CHM3/H	V10K150CHM3/I	V10K60CHM3/H
V10K60CHM3/I	V10K60DUHM3/H	V10K60DUHM3/I	V10KM100CHM3/H	V10KM100CHM3/I
V10KM120CHM3/H	V10KM120CHM3/I	V10KM120DUHM3/H	V10KM120DUHM3/I	V10KM150CHM3/H
V10KM150CHM3/I	V10KM60CHM3/H	V10KM60CHM3/I	V10PW10CHM3/I	V10PW10HM3/I
V10PW12CHM3/I	V10PW12HM3/I	V10PW60CHM3/I	V10PW60HM3/I	V10PWM10CHM3/I
V10PWM10HM3/I	V10PWM12CHM3/I	V10PWM12HM3/I	V10PWM60CHM3/I	V10PWM60HM3/I
V15K100CHM3/H	V15K100CHM3/I	V15K120CHM3/H	V15K120CHM3/I	V15K150CHM3/H
V15K150CHM3/I	V15K60CHM3/H	V15K60CHM3/I	V15KM100CHM3/H	V15KM100CHM3/I
V15KM120CHM3/H	V15KM120CHM3/I	V15KM150CHM3/H	V15KM150CHM3/I	V15KM60CHM3/H
V15KM60CHM3/I	V1P6-61HM3J/H	V1P6HM3/H	V1PM10HM3/H	V1PM12HM3/H
V1PM15HM3/H	V20D100CHM3/I	V20D60CHM3/I	V20DM100CHM3/I	V20DM120CHM3/I
V20DM120HM3/I	V20DM150CHM3/I	V20DM60CHM3/I	V20K150HM3/H	V20K150HM3/I
V20K60HM3/H	V20K60HM3/I	V20KM100HM3/H	V20KM100HM3/I	V20KM120-01HM3/IE
V20KM120HM3/H	V20KM120HM3/I	V20KM60HM3/H	V20KM60HM3/I	V20PW10CHM3/I
V20PW10HM3/I	V20PW12CHM3/I	V20PW12HM3/I	V20PW15CHM3/I	V20PW15HM3/I
V20PW60CHM3/I	V20PW60HM3/I	V20PWM10CHM3/I	V20PWM10HM3/I	V20PWM12CHM3/I
V20PWM12HM3/I	V20PWM15CHM3/I	V20PWM15HM3/I	V20PWM60CHM3/I	V20PWM60HM3/I
V2P6-61HM3J/H	V2P6HM3/H	V2P6HM3J/H	V2PM10HM3/H	V2PM12HM3/H
V2PM15HM3/H	V30D100CHM3/I	V30D60CHM3_A/I	V30D60CLHM3_A/I	V30DM100CHM3/I
V30DM120CHM3/I	V30DM120HM3/I	V30DM150CHM3/I	V30DM60CLHM3/I	V30K150HM3/H
V30K150HM3/I	V30K60HM3/H	V30K60HM3/I	V30KM100HM3/H	V30KM100HM3/I
V30KM120HM3/H	V30KM120HM3/I	V30KM60HM3/H	V30KM60HM3/I	V35DM120HM3/I
V35PW10HM3/I	V35PW12HM3/I	V35PW15HM3/I	V35PW60HM3/I	V35PWM10HM3/I
V35PWM12HM3/I	V35PWM15HM3/I	V35PWM60HM3/I	V40D100CHM3/I	V40D120CHM3/I
V40D60CHM3/I	V40DM100CHM3/I	V40DM120CHM3/I	V40DM150CHM3/I	V40DM60CHM3/I
V40PW10CHM3/I	V40PW12CHM3/I	V40PW15CHM3/I	V40PW60CHM3/I	V40PWM10CHM3/I
V40PWM12CHM3/I	V40PWM15CHM3/I	V40PWM60CHM3/I	V60D100CHM3/I	V60D120CHM3/I
V60D60CHM3/I	V60DM100CHM3/I	V60DM120CHM3/I	V60DM60CHM3/I	V6K100DUHM3/H
V6K100DUHM3/I	V6KM120DUHM3/H	V6KM120DUHM3/I	V6PW10CHM3/I	V6PW10HM3/I
V6PW12CHM3/I	V6PW12HM3/I	V6PW60CHM3/I	V6PW60HM3/I	V6PWM10CHM3/I
V6PWM10HM3/I	V6PWM12CHM3/I	V6PWM12HM3/I	V6PWM60CHM3/I	V6PWM60HM3/I
V8KM60DUHM3/H	V8KM60DUHM3/I	V8PA10HM3/I	V8PA12-BHM3/I	V8PA12HM3/I
V8PA15HM3/I	V8PA6HM3/I	V8PAM10HM3/I	V8PAM10SHM3/H	V8PAM10SHM3/I
V8PAM12HM3/I	VSS8D2L6-BHM3/H	VSS8D2L6-BHM3/I	VSS8D2M10HM3/H	VSS8D2M10HM3/I
VSS8D2M12HM3/H	VSS8D2M12HM3/I	VSS8D2M15HM3/H	VSS8D2M15HM3/I	VSS8D2M6HM3/H
VSS8D2M6HM3/I	VSS8D3M10-01HM3/H	VSS8D3M10-01HM3/I	VSS8D3M10HM3/H	VSS8D3M10HM3/I
VSS8D3M12-BHM3/H	VSS8D3M12-BHM3/I	VSS8D3M12HM3/H	VSS8D3M12HM3/I	VSS8D3M15HM3/H
VSS8D3M15HM3/I	VSS8D3M6-01HM3/H	VSS8D3M6-01HM3/I	VSS8D3M6-BHM3/H	VSS8D3M6-BHM3/I
VSS8D3M6HM3/H	VSS8D3M6HM3/I	VSS8D5M10HM3/H	VSS8D5M10HM3/I	VSS8D5M12HM3/H
VSS8D5M12HM3/I	VSS8D5M15HM3/H	VSS8D5M15HM3/I	VSS8D5M6HM3/H	VSS8D5M6HM3/I
VSS8D812-BHM3/H	VSS8D812-BHM3/I	VSSAF3M10-61HM3J/H	VSSAF3M10HM3/H	VSSAF3M10HM3/I
VSSAF3M6-61HM3J/H	VSSAF3M6HM3/H	VSSAF3M6HM3/I	VSSAF5M10-61HM3J/H	VSSAF5M10HM3/H
VSSAF5M10HM3/I	VSSAF5M12HM3/H	VSSAF5M12HM3/I	VSSAF5M15HM3/H	VSSAF5M15HM3/I
VSSAF5M6HM3/H	VSSAF5M6HM3/I	VSSA210HM3_A/H	VSSA210HM3_A/I	VSSA310SHM3_A/H
VSSA310SHM3_A/I	VSSAF510HM3/H	VSSAF510HM3/I	VSSAF512HM3/H	VSSAF512HM3/I
VSSAF515HM3/H	VSSAF515HM3/I	VSSAF56HM3_A/H	VSSAF56HM3_A/I	

Annex 1

1. Additional 8 inch wafer + top metal change:

V10D100CHM3/I	V10PWM60CHM3/I	V20KM120HM3/I	V30KM100HM3/I	V6KM120DUHM3/I	VSS8D3M12-BHM3/H
V10D120CHM3/I	V10PWM60HM3/I	V20KM60HM3/H	V30KM120HM3/H	V6PW10CHM3/I	VSS8D3M12-BHM3/I
V10D60CHM3_A/I	V15K100CHM3/H	V20KM60HM3/I	V30KM120HM3/I	V6PW10HM3/I	VSS8D3M12HM3/H
V10DM100CHM3/I	V15K100CHM3/I	V20PW10CHM3/I	V30KM60HM3/H	V6PW12CHM3/I	VSS8D3M12HM3/I
V10DM150CHM3/I	V15K120CHM3/H	V20PW10HM3/I	V30KM60HM3/I	V6PW12HM3/I	VSS8D3M15HM3/H
V10DM60CHM3/I	V15K120CHM3/I	V20PW12CHM3/I	V35DM120HM3/I	V6PW60CHM3/I	VSS8D3M15HM3/I
V10K100CHM3/H	V15K150CHM3/H	V20PW12HM3/I	V35PW10HM3/I	V6PW60HM3/I	VSS8D3M6-01HM3/H
V10K100CHM3/I	V15K150CHM3/I	V20PW15CHM3/I	V35PW12HM3/I	V6PWM10CHM3/I	VSS8D3M6-01HM3/I
V10K100DUHM3/H	V15K60CHM3/H	V20PW15HM3/I	V35PW15HM3/I	V6PWM10HM3/I	VSS8D3M6-BHM3/H
V10K100DUHM3/I	V15K60CHM3/I	V20PW60CHM3/I	V35PW60HM3/I	V6PWM12CHM3/I	VSS8D3M6-BHM3/I
V10K120CHM3/H	V15KM100CHM3/H	V20PW60HM3/I	V35PWM10HM3/I	V6PWM12HM3/I	VSS8D3M6HM3/H
V10K120CHM3/I	V15KM100CHM3/I	V20PWM10CHM3/I	V35PWM12HM3/I	V6PWM60CHM3/I	VSS8D3M6HM3/I
V10K150CHM3/H	V15KM120CHM3/H	V20PWM10HM3/I	V35PWM15HM3/I	V6PWM60HM3/I	VSS8D5M10HM3/H
V10K150CHM3/I	V15KM120CHM3/I	V20PWM12CHM3/I	V35PWM60HM3/I	V8KM60DUHM3/H	VSS8D5M10HM3/I
V10K60CHM3/H	V15KM150CHM3/H	V20PWM12HM3/I	V40D100CHM3/I	V8KM60DUHM3/I	VSS8D5M12HM3/H
V10K60CHM3/I	V15KM150CHM3/I	V20PWM15CHM3/I	V40D120CHM3/I	V8PA10HM3/I	VSS8D5M12HM3/I
V10K60DUHM3/H	V15KM60CHM3/H	V20PWM15HM3/I	V40D60CHM3/I	V8PA12-BHM3/I	VSS8D5M15HM3/H
V10K60DUHM3/I	V15KM60CHM3/I	V20PWM60CHM3/I	V40DM100CHM3/I	V8PA12HM3/I	VSS8D5M15HM3/I
V10KM100CHM3/H	V1P6-61HM3/H	V20PWM60HM3/I	V40DM120CHM3/I	V8PA15HM3/I	VSS8D5M6HM3/H
V10KM100CHM3/I	V1P6HM3/H	V2P6-61HM3J/H	V40DM150CHM3/I	V8PA6HM3/I	VSS8D5M6HM3/I
V10KM120CHM3/H	V1PM10HM3/H	V2P6HM3/H	V40DM60CHM3/I	V8PAM10HM3/I	VSS8D812-BHM3/H
V10KM120CHM3/I	V1PM12HM3/H	V2P6HM3J/H	V40PW10CHM3/I	V8PAM10SHM3/H	VSS8D812-BHM3/I
V10KM120DUHM3/H	V1PM15HM3/H	V2PM10HM3/H	V40PW12CHM3/I	V8PAM10SHM3/I	VSSAF3M10-61HM3J/H
V10KM120DUHM3/I	V20D100CHM3/I	V2PM12HM3/H	V40PW15CHM3/I	V8PAM12HM3/I	VSSAF3M10HM3/H
V10KM150CHM3/H	V20D60CHM3/I	V2PM15HM3/H	V40PW60CHM3/I	VSS8D2L6-BHM3/H	VSSAF3M10HM3/I
V10KM150CHM3/I	V20DM100CHM3/I	V30D100CHM3/I	V40PWM10CHM3/I	VSS8D2L6-BHM3/I	VSSAF3M6-61HM3J/H
V10KM60CHM3/H	V20DM120CHM3/I	V30D60CHM3_A/I	V40PWM12CHM3/I	VSS8D2M10HM3/H	VSSAF3M6HM3/H
V10KM60CHM3/I	V20DM120HM3/I	V30D60CLHM3_A/I	V40PWM15CHM3/I	VSS8D2M10HM3/I	VSSAF3M6HM3/I
V10PW10CHM3/I	V20DM150CHM3/I	V30DM100CHM3/I	V40PWM60CHM3/I	VSS8D2M12HM3/H	VSSAF5M10-61HM3J/H
V10PW10HM3/I	V20DM60CHM3/I	V30DM120CHM3/I	V60D100CHM3/I	VSS8D2M12HM3/I	VSSAF5M10HM3/H
V10PW12CHM3/I	V20K150HM3/H	V30DM120HM3/I	V60D120CHM3/I	VSS8D2M15HM3/H	VSSAF5M10HM3/I
V10PW12HM3/I	V20K150HM3/I	V30DM150CHM3/I	V60D60CHM3/I	VSS8D2M15HM3/I	VSSAF5M12HM3/H
V10PW60CHM3/I	V20K60HM3/H	V30DM60CLHM3/I	V60DM100CHM3/I	VSS8D2M6HM3/H	VSSAF5M12HM3/I
V10PW60HM3/I	V20K60HM3/I	V30K150HM3/H	V60DM120CHM3/I	VSS8D2M6HM3/I	VSSAF5M15HM3/H
V10PWM10CHM3/I	V20KM100HM3/H	V30K150HM3/I	V60DM60CHM3/I	VSS8D3M10-01HM3/H	VSSAF5M15HM3/I
V10PWM10HM3/I	V20KM100HM3/I	V30K60HM3/H	V6K100DUHM3/H	VSS8D3M10-01HM3/I	VSSAF5M6HM3/H
V10PWM12CHM3/I	V20KM120-01HM3/IE	V30K60HM3/I	V6K100DUHM3/I	VSS8D3M10HM3/H	VSSAF5M6HM3/I
V10PWM12HM3/I	V20KM120HM3/H	V30KM100HM3/H	V6KM120DUHM3/H	VSS8D3M10HM3/I	

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

VSSA210HM3_A/H	VSSA310SHM3_A/H	VSSAF510HM3/H	VSSAF512HM3/H	VSSAF515HM3/H	VSSAF56HM3_A/H
VSSA210HM3_A/I	VSSA310SHM3_A/I	VSSAF510HM3/I	VSSAF512HM3/I	VSSAF515HM3/I	VSSAF56HM3_A/I