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Product Change Notification



Product Group: DD/Thursday September 4, 2025/PCN-DD-011-2025-REV-0

8 inch Wafer for Commercial and Automotive 600V Fred Pt® Gen 5

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 Italy. This consolidation is aimed at expanding our capacity in producing Fred Pt® Gen5 rectifiers.

As part of this integration, the back metal of 600V Fred Pt® Gen 5 8-inch wafers will adopt a Ti/Ni/Ag stack replacing Chromium with Titanium to align with the contact metal composition employed in other diode rectifier wafers, while the top Aluminum front metal will adopt a 5µm layer in place of the previous 6µm layer.

Additionally, to support increased production capacity, improve operational flexibility and shorten the manufacturing cycle time, an additional in-house implanter has been installed and qualified for doping implantation on all 600V Fred Pt® Gen 5 wafers.

The 600V Fred Pt® Gen 5 rectifiers on 8-inch wafer platform has been qualified to meet our specifications and performance standards, with no changes to product datasheets.

Upon the approval of this PCN, all future catalog and customized part numbers for related products belonging to this product family will adopt the same change.

Reason for Change: Ongoing alignment with advanced wafer fab technologies, capacity expansion, process consolidation, environmental awareness.

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 Semiconductors

Time Schedule:

Start Shipment Date: Wednesday November 5, 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 Tuesday November 4, 2025 or as specified by contract.

Issued By: Fabio Modaro, Fabio.Modaro@vishay.com

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VS-E5TH1506S2LHM3	VS-E5TH1506S2L-M3	VS-E5TH2106S2LHM3	VS-E5TH2106S2L-M3	VS-E5TH3006S2LHM3
VS-E5TH3006S2L-M3	VS-E5TX1506S2LHM3	VS-E5TX1506S2L-M3	VS-E5TX2106S2LHM3	VS-E5TX2106S2L-M3
VS-E5TX3006S2LHM3	VS-E5TX3006S2L-M3	VS-E5TW1206FP-N3	VS-E5TW1506FP-N3	VS-E5TX1206FP-N3
VS-E5TX1506FP-N3	VS-E5TH1506THN3	VS-E5TH3006THN3	VS-E5TX1506THN3	VS-E5TX3006THN3
VS-E5TH1506-M3	VS-E5TH3006-M3	VS-E5TX1506-M3	VS-E5TX3006-M3	VS-E5PH3006LHN3
VS-E5PH3006L-N3	VS-E5PH3006L-N3Z	VS-E5PH3106L-N3	VS-E5PH6006LHN3	VS-E5PH6006L-N3
VS-E5PH6106L-N3	VS-E5PH7506LHN3	VS-E5PH7506L-N3	VS-E5PW3006LHN3	VS-E5PW3006L-N3
VS-E5PW3106L-N3	VS-E5PW6006LHN3	VS-E5PW6006L-N3	VS-E5PW6106L-N3	VS-E5PX3006LHN3
VS-E5PX3006LHN-S1	VS-E5PX3006L-N3	VS-E5PX3106L-N3	VS-E5PX6006LHN3	VS-E5PX6006L-N3
VS-E5PX6106L-N3	VS-E5PX7506LHN3	VS-E5PX7506L-N3	VS-E5PX7606L-N3	VS-A5PH3006LHN3
VS-A5PH3006L-N3	VS-A5PH6006LHN3	VS-A5PH6006L-N3	VS-A5PH7506LHN3	VS-A5PH7506L-N3
VS-A5PX3006LHN3	VS-A5PX3006L-N3	VS-A5PX6006LHN3	VS-A5PX6006L-N3	VS-C5PH3006L-N3
VS-C5PH6006LHN3	VS-C5PH6006L-N3	VS-C5PW3006L-N3	VS-C5PW6006LHN3	VS-C5PW6006L-N3
VS-C5PX3006L-N3	VS-C5PX6006LHN3	VS-C5PX6006L-N3	VS-E5PX3006LI-M3	VS-E5PX6006LI-M3
VS-C5ZW3006FP-M3	VS-C5ZX3006FP-M3			