



## Wafer Metal Process Conversion for Automotive Grade 200V TMBS Products in SMPD package

### DESCRIPTION OF CHANGE:

Vishay Diodes Division is announcing the wafer metal process conversion from Ti/Al/Ni/Au (top and bottom) to Ti/Al/Ni/Ag (top) and Ti/Ni/Ag (bottom) for all automotive grade 200V TMBS (Trench MOS Barrier Schottky) products in SMPD package.

Qualification test has been confirmed to meet and pass all specifications for automotive grade. There will be no change in form, fit or function of final products.

**CLASSIFICATION OF CHANGE:** Wafer/Chip/Pellet Process/Structure.

**REASON FOR CHANGE:** This process consolidation in order to improve production shop-floor control and manufacturing equipment utilization, as well as delivery.

### EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

There will be no effect on quality & reliability performance.

**PRODUCT CATEGORY:** Rectifiers

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Involved P/N list are listed in below table.

Existing P/N	New Rev. P/N
V10D202CHM3/I	V10D202CHM3_A/I
V20D202CHM3/I	V20D202CHM3_A/I
V30D202CHM3/I	V30D202CHM3_A/I

**VISHAY BRAND:** Vishay General Semiconductor

**TIME SCHEDULE:** Start conversion date : September 01, 2019  
Last time buy of existing P/N : November 30, 2019  
Last time ship of existing P/N : May 31, 2020

**SAMPLE AVAILABILITY:** Available upon request.

**PRODUCT IDENTIFICATION:** Adding underscore ( \_ ) + revision code “X (X=A, B,...)” following base part number as the identification.

**QUALIFICATION DATA:** Available upon request.

**RESPONSE DATE:** This PCN is considered approved, without further notification, unless we receive specific customer concerns before **August 31, 2019** or as specified by contract.

**ISSUED BY:** R.S. Chin, Product Marketing Director – Rectifiers (Standard & Schottky)

**For further information, please contact your regional Vishay office.**

### Contact Information:

#### The Americas

Vishay Semiconductors  
150 Motor Parkway, Suite 101E  
Hauppauge, NY11788 USA  
Phone :631 300 3816  
Fax : 631 300 3843  
[Diodes-Americas@vishay.com](mailto:Diodes-Americas@vishay.com)

#### Europe

Vishay Semiconductors  
Theresienstrasse 2  
D-74072 Heilbronn, Germany  
Phone : +49 7131 67 3364 (or 3365)  
Fax: +49 7131 67 2938  
[Diodes-Europe@vishay.com](mailto:Diodes-Europe@vishay.com)

#### Asia

Vishay Semiconductors  
15D, Sun Tong Infoport Plaza  
55 Huai Hai West Road, Shanghai, China  
Phone: +86 138 1787 2112  
Fax: +86 21 5258 7979  
[Diodes-Asia@vishay.com](mailto:Diodes-Asia@vishay.com)