



# Product Change Notification



Product Group: Diodes Division / June 30, 2015 / PCN-DD-022-2015 Rev. 0

## Top Metal Conversion for Commercial Grade Solderable 45V/50V/60V/80V TMBS products

**DESCRIPTION OF CHANGE :** Vishay Diodes Division would like to announce the process conversion for solderable TMBS (Trench MOS Barrier Schottky) wafers from Ti/Ni/Ag to Ti/Al/Ni/Ag. 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 :**

No change on the product performance and data sheet specifications.

**PRODUCT CATEGORY :** Rectifier

**PART NUMBERS/SERIES/FAMILIES AFFECTED :** Involved part numbers are listed in below table.

Material	Material	Material	Material
V10D45C-M3/I	V12P6-M3/87A	V15PN50-M3/87A	V3P6-M3/85A
V10D60C-M3/I	V12P8-M3/86A	V20DL45-M3/I	V3PAL45-M3/I
V10P45-M3/86A	V12P8-M3/87A	V20DL45BP-M3/I	V3PAN50-M3/I
V10P45-M3/87A	V15P45-M3/86A	V20PL50-M3/86A	V40DL45-M3/I
V10P45S-M3/86A	V15P45-M3/87A	V20PL50-M3/87A	V40DL45BP-M3/I
V10P45S-M3/87A	V15P45S-5001M3/87A	V20PL60-M3/86A	V4PAL45-M3/I
V10P6-M3/86A	V15P45S-M3/86A	V20PL60-M3/87A	V4PAN50-M3/I
V10P6-M3/87A	V15P45S-M3/87A	V25PL60-M3/86A	V60D45C-M3/I
V10P8-M3/86A	V15P6-M3/86A	V25PL60-M3/87A	V8P45-M3/86A
V10P8-M3/87A	V15P6-M3/87A	V25PN60-M3/86A	V8P45-M3/87A
V10PL45-M3S/86A	V15P8-M3/86A	V25PN60-M3/87A	V8P6-M3/86A
V10PL45-M3/86A	V15P8-M3/87A	V30D45C-M3/I	V8P6-M3/87A
V10PL45-M3/87A	V15PL50-M3/86A	V30D60C-M3/I	V8P8-M3/86A
V10PN50-M3/86A	V15PL50-M3/87A	V30D60CL-M3/I	V8P8-M3/87A
V10PN50-M3/87A	V15PL501-01M3/86A	V30DL45-M3/I	V8PAL45-M3/I
V12P45-M3/86A	V15PL501-01M3/87A	V30DL45BP-M3/I	V8PAL50-M3/I
V12P45-M3/87A	V15PN50-5700M3/86A	V30DL50C-M3/I	V8PAN50-M3/I
V12P6-M3/86A	V15PN50-M3/86A	V3P6-M3/84A	V8PL6-M3/86A



# Product Change Notification



Product Group: Diodes Division / June 30, 2015 / PCN-DD-022-2015 Rev. 0

Material	Material	Material	Material
V8PL6-M3/87A	VSB1545S-E3/54	VSSA36S-M3/5AT	VSSAF5L45-M3/6A
VE1045C-E3/45	VSB1545S-E3/73	VSSA36S-M3/61T	VSSAF5L45-M3/6B
VE2045C-E3/45	VSB15L45-M3/54	VSSA3L6S-M3/5AT	VSSAF5N50-M3/6A
VE3045C-E3/45	VSB15L45-M3/73	VSSA3L6S-M3/61T	VSSAF5N50-M3/6B
VE4045C-E3/45	VSB2045-M3/54	VSSAF3L45-M3/6A	VSSB3L6S-M3/52T
VSB1045-E3/54	VSB2045-M3/73	VSSAF3L45-M3/6B	VSSB3L6S-M3/5BT
VSB1045-E3/73	VSB2045Y-M3/54	VSSAF3N50-M3/6A	VSSB7L45-M3/52T
VSB1545-5300M3/73	VSB2045Y-M3/73	VSSAF3N50-M3/6B	VSSB7L45-M3/5BT
VSB1545-M3/54	VSB20L45-M3/54	VSSAF56-M3/6A	VSSC8L45-M3/57T
VSB1545-M3/73	VSB20L45-M3/73	VSSAF56-M3/6B	VSSC8L45-M3/9AT

**VISHAY BRAND** : Vishay General Semiconductor

**TIME SCHEDULE** : Start shipment date : September 5, 2015

**SAMPLE AVAILABILITY** : Available upon request.

**PRODUCT IDENTIFICATION** : Date code – Converted D/C by P/N will be recorded for tracking.

**QUALIFICATION DATA** : Available upon request.

**RESPONSE DATE** : This PCN is considered approved, without further notification, unless we receive specific customer concerns before **August 30, 2015** 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)