



# Product Change Notification



Product Group: Diodes Division / August 7, 2014 / PCN-DD-19-2014 Rev 0

## TITLE: 6 inch Wafer for Commercial Grade 100V/150V Planar Schottky and 30V/40V/60V Micro SMP

### DESCRIPTION OF CHANGE:

In addition to the existing 4 inch wafer process, Vishay Diodes Division will introduce additional 6 inch wafer capacity for 100V/150V planar Schottky and 30V/40V/60V Schottky products in micro SMP package. The 6 inch wafers have been qualified to meet our specification and performance standards. There will be no change in form; fit or function on final products shipped to customer production site.

### CLASSIFICATION OF CHANGE:

Wafer Diameter.

### REASON FOR CHANGE:

Capacity expansion

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

No change on quality and performance.

### PRODUCT CATEGORY:

Schottky

### PART NUMBERS/SERIES/FAMILIES AFFECTED:

Involved product groups are listed in below table, the PNs with suffix -E3 & -M3 are both included. The PNs with suffix HE3 are not included. House number will adopt the same change.

Case Outline	Base Material	include Packaging code	Case Outline	Base Material	include Packaging code
DO-201AD	SB3H100-E3	/54, /73	DO-214AB (SMC)	SS3H10-E3	/57T, /9AT
	SB3H100L-5700E3	/72		SS3H10-M3	/57T, /9AT
	SB3H90-E3	/54, /73		SS3H9-E3	/57T, /9AT
	SB5H100-E3	/54, /73		SS3H9-M3	/57T, /9AT
	SB5H90-E3	/54, /73		DO-214AC (SMA)	BYS11-90-E3
DO-204AC (DO-15)	SB2H100-E3	/54, /73	BYS11-90-M3		/TR, /TR3
	SB2H90-E3	/54, /73	BYS12-90-E3		/TR, /TR3
DO-204AL (DO-41)	SB1H100-E3	/54, /73	BYS12-90-M3		/TR, /TR3
	SB1H90-E3	/54, /73	SS19-E3		/5AT, /61T
DO-214AA (SMB)	SS210-E3	/52T, /5BT	SS19-M3		/5AT, /61T
	SS210-M3	/52T, /5BT	SS1H10-E3		/5AT, /61T
	SS29-E3	/52T, /5BT	SS1H10-M3		/5AT, /61T
	SS29-M3	/52T, /5BT	SS1H9-E3		/5AT, /61T
	SS2H10-E3	/52T, /5BT	SS1H9-M3		/5AT, /61T
	SS2H10-M3	/52T, /5BT	DO-220AA (SMP)	SS2PH10-M3	/84A, /85A
	SS2H9-E3	/52T, /5BT		SS2PH9-M3	/84A, /85A
	SS2H9-M3	/52T, /5BT	ITO-220AB	MBRF10H100CT-E3	/45



# Product Change Notification



Product Group: Diodes Division / August 7, 2014 / PCN-DD-19-2014 Rev 0

Case Outline	Base Material	include Packaging code	Case Outline	Base Material	include Packaging code
ITO-220AB	MBRF10H150CT-E3	/45	TO-220AB	MBR20H90CTG-E3	/45
	MBRF10H90CT-E3	/45		MBR30H100CT-E3	/45
	MBRF20H100CT-E3	/45		MBR30H150CT-E3	/45
	MBRF20H150CT-E3	/45		MBR30H90CT-E3	/45
	MBRF20H90CT-E3	/45		MBR60100CT-E3	/45
	MBRF30H100CT-E3	/45		MBR30H100CT-M3	/4W
	MBRF30H150CT-E3	/45		MBR30H90CT-M3	/4W
	MBRF30H90CT-E3	/45		TO-220AC	MBR10H100-E3
ITO-220AC	MBRF10H100-E3	/45		MBR10H90-E3	/45
	MBRF10H90-E3	/45	TO-247AD (TO-3P)	MBR30H100PT-E3	/45
Micro SMP	MSS1P2L-6001M3	/89A		MBR30H90PT-E3	/45
	MSS1P2L-M3	/89A	TO-262AA	SB10H150CT-1E3	/45
	MSS1P3-6001M3	/89A		SB20H150CT-1E3	/45
	MSS1P3L-M3	/89A		SB30H150CT-1E3	/45
	MSS1P3-M3	/89A	TO-263AB (D2PAK)	MBRB10H100CT-E3	/45, /81
	MSS1P4-6001M3	/89A		MBRB10H100-E3	/45, /81
	MSS1P4-M3	/89A		MBRB10H90CT-E3	/45, /81
	MSS1P4-M3S	/89A		MBRB10H90-E3	/45, /81
	MSS1P5-M3	/89A		MBRB20H100CT-E3	/45, /81
	MSS1P6-M3	/89A		MBRB20H90CT-E3	/45, /81
	MSS2P2-M3	/89A		MBRB30H100CT-E3	/45, /81
	MSS2P3-M3	/89A		MBRB30H90CT-E3	/45, /81
	TO-220AB	MBR10H100CT-E3	/45	TO-277A (SMPC)	SS10PH10-M3
MBR10H150CT-E3		/45	SS10PH9-M3		/86A, /87A
MBR10H90CT-E3		/45	SS5P10-M3		/86A, /87A
MBR20H100CT-E3		/45	SS5P9-M3		/86A, /87A
MBR20H100CTG-E3		/45	SS8PH10-M3		/86A, /87A
MBR20H150CT-E3		/45	SS8PH9-M3		/86A, /87A
MBR20H90CT-E3		/45			

**VISHAY BRAND:**

Vishay General Semiconductor

**TIME SCHEDULE:**

Start Shipping Date: Oct. 1st, 2014

**SAMPLE ABAILABILITY:**

Available upon request.

**PRODUCT IDENTIFICATION:**

Not applicable.



# Product Change Notification



Product Group: Diodes Division / August 7, 2014 / PCN-DD-19-2014 Rev 0

## QUALIFICATION DATA:

Available upon request.

## RESPONSE DATE:

This PCN is considered approved without further notification, unless we receive specific customer written concerns before October 7, 2014 or as specified by contract.

## ISSUED BY:

RS Chin, Product Marketing Director – Rectifier (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 2807  
[Diodes-Europe@vishay.com](mailto:Diodes-Europe@vishay.com)

#### Asia/Pacific

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)