



# Product Change Notification



Product Group: Diodes Division / September 22, 2017 / PCN-DD-011-2017 Rev. 0

## Addition of Assembly Site for Axial STD/FER/Schottky Rectifiers

**DESCRIPTION OF CHANGE:** Vishay Diodes Division would like to introduce an additional assembly location at a subcontractor in China for Axial STD/FER/Schottky rectifiers. The subcontractor lead is with additional ring structure. In addition, the chip thickness of Schottky products will be consolidated to 12mil from original 11mil and 14mil respectively.

Table 1: Schottky chip thickness consolidation

Package	Products	Current Chip thickness(mil)	Consolidated Chip Thickness(mil)
DO-201AD	1N5820~1N5822	14	12
	SB320~SB360	14	12
	SB520~SB560	14	12
	SB3H90~SB3H100	11	12
	SB5H90~SB5H100	11	12
DO-204AL (DO-41)	1N5817~1N5819	14	12
	SB110~SB160	14	12
	SB220S~SB260S	14	12
	SB1H90~SB1H100	11	12

**CLASSIFICATION OF CHANGE:** Assembly Site.  
Wafer/Chip/Pellet Process/Structure – Chip thickness.  
Assembly Process/Structure – Lead design.

**REASON FOR CHANGE:** Capacity expansion for improving delivery support and Schottky chip thickness consolidation.

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

There will be no effect on quality, reliability performance.

**PRODUCT CATEGORY:** Rectifiers

**VISHAY BRAND:** Vishay General Semiconductor

**TIME SCHEDULE:** Start shipment date : November 25, 2017

**SAMPLE AVAILABILITY:** Available upon request.

**PRODUCT IDENTIFICATION:** The manufacturing code “J” will be added followed by data code (XXXXJ/MXXXJ) for identification of the new manufacturing site.

**QUALIFICATION DATA:** Available upon request.

**RESPONSE DATE:** This PCN is considered approved, without further notification, unless we receive specific customer written concerns before **November 22, 2017** or as specified by contract.



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

➤ Additional assembly site

Material	Material	Material	Material
31GF4-E3/54	MUR460-E3/73	UF4003-E3/53	UG1A-E3/54
31GF4-E3/73	MUR460-M3/54	UF4003-E3/54	UG1A-E3/73
31GF4-M3/54	MUR460-M3/73	UF4003-E3/73	UG1A-M3/54
31GF4-M3/73	MUR460L-5302E3/72	UF4003-M3/54	UG1A-M3/73
31GF6-E3/54	SB520A-E3/54	UF4003-M3/73	UG1B-E3/54
31GF6-E3/73	SB520A-E3/73	UF4004-E3/53	UG1B-E3/73
31GF6-M3/54	SB530A-E3/54	UF4004-E3/54	UG1B-M3/54
31GF6-M3/73	SB530A-E3/73	UF4004-E3/73	UG1B-M3/73
GPP10A-E3/54	SB540A-E3/54	UF4004-M3/54	UG1C-E3/54
GPP10A-E3/73	SB540A-E3/73	UF4004-M3/73	UG1C-E3/73
GPP10B-E3/54	SB550A-E3/54	UF4005-E3S/73	UG1C-M3/54
GPP10B-E3/73	SB550A-E3/73	UF4005-E3/53	UG1C-M3/73
GPP10D-E3/54	SB560A-E3/54	UF4005-E3/54	UG1D-E3/54
GPP10D-E3/73	SB560A-E3/73	UF4005-E3/73	UG1D-E3/73
GPP10G-E3/54	SBYV27-100-E3/54	UF4005-M3/54	UG1D-M3/54
GPP10G-E3/73	SBYV27-100-E3/73	UF4005-M3/73	UG1D-M3/73
GPP10J-E3/54	SBYV27-150-E3/54	UF4006-E3/53	UG2A-E3/54
GPP10J-E3/73	SBYV27-150-E3/73	UF4006-E3/54	UG2A-E3/73
GPP10K-E3/54	SBYV27-200-E3/54	UF4006-E3/73	UG2B-E3/54
GPP10K-E3/73	SBYV27-200-E3/73	UF4006-M3/54	UG2B-E3/73
GPP10M-01E3/D	SBYV27-50-E3/54	UF4006-M3/73	UG2C-E3/54
GPP10M-E3/54	SBYV27-50-E3/73	UF4007-E3/53	UG2C-E3/73
GPP10M-E3/73	SBYV28-100-E3/54	UF4007-E3/54	UG2D-E3/54
GPP20A-E3/54	SBYV28-100-E3/73	UF4007-E3/73	UG2D-E3/73
GPP20A-E3/73	SBYV28-150-E3/54	UF4007-M3/54	UG2F-E3/54
GPP20B-E3/54	SBYV28-150-E3/73	UF4007-M3/73	UG2F-E3/73
GPP20B-E3/73	SBYV28-200-E3/54	UF5400-E3/54	UG2G-E3/54
GPP20D-E3/54	SBYV28-200-E3/73	UF5400-E3/73	UG2G-E3/73
GPP20D-E3/73	SBYV28-50-E3/54	UF5401-E3/54	UG4A-E3/54
GPP20G-E3/54	SBYV28-50-E3/73	UF5401-E3/73	UG4A-E3/73
GPP20G-E3/73	UF1G-5304E3/73	UF5402-E3/54	UG4A-M3/54
GPP20J-E3/54	UF1J-5400E3/54	UF5402-E3/73	UG4A-M3/73
GPP20J-E3/73	UF1M-007E3/54	UF5403-E3/54	UG4B-E3/54
GPP20K-E3/54	UF1M-008E3/54	UF5403-E3/73	UG4B-E3/73
GPP20K-E3/73	UF1M-013E3/54	UF5404-E3/54	UG4B-M3/54
GPP20M-E3/54	UF3DL-6253E3/72	UF5404-E3/73	UG4B-M3/73
GPP20M-E3/73	UF3M-001E3/54	UF5404L-01E3/72	UG4C-E3/54
MUR420-E3/54	UF4001-E3/54	UF5405-E3/54	UG4C-E3/73
MUR420-E3/73	UF4001-E3/73	UF5405-E3/73	UG4C-M3/54
MUR420-M3/54	UF4001-M3/54	UF5406-E3/54	UG4C-M3/73
MUR420-M3/73	UF4001-M3/73	UF5406-E3/73	UG4D-E3/54
MUR440-E3/54	UF4002-E3/53	UF5407-E3/54	UG4D-E3/73
MUR440-E3/73	UF4002-E3/54	UF5407-E3/73	UG4D-M3/54
MUR440-M3/54	UF4002-E3/73	UF5408-E3/54	UG4D-M3/73
MUR440-M3/73	UF4002-M3/54	UF5408-E3/73	UG4DL-5711E3/38
MUR460-E3/54	UF4002-M3/73	UF5408L-5718E3/72	



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➤ Additional assembly site + Schottky chip thickness change to 12mil

Material	Material	Material	Material
1N5817-E3/53	SB130-E3/73	SB240S-E3/73	SB3H100L-5700E3/72
1N5817-E3/54	SB140-5007E3/73	SB250S-E3/54	SB3H90-E3/54
1N5817-E3/73	SB140-E3/53	SB250S-E3/73	SB3H90-E3/73
1N5818-E3/53	SB140-E3/54	SB260S-E3/54	SB520-E3/54
1N5818-E3/54	SB140-E3/73	SB260S-E3/73	SB520-E3/73
1N5818-E3/73	SB150-E3/54	SB320-E3/54	SB530-E3/54
1N5819-E3/53	SB150-E3/73	SB320-E3/73	SB530-E3/73
1N5819-E3/54	SB160-E3/53	SB330-E3/54	SB540-E3/54
1N5819-E3/73	SB160-E3/54	SB330-E3/73	SB540-E3/73
1N5820-E3/54	SB160-E3/73	SB340-5301E3/73	SB550-E3/54
1N5820-E3/73	SB1H100-E3R/73	SB340-E3/54	SB550-E3/73
1N5821-E3/54	SB1H100-E3/54	SB340-E3/73	SB560-E3/54
1N5821-E3/73	SB1H100-E3/73	SB350-E3/54	SB560-E3/73
1N5822-E3/54	SB1H90-E3/54	SB350-E3/73	SB5H100-E3/54
1N5822-E3/73	SB1H90-E3/73	SB360-5300E3/73	SB5H100-E3/73
SB110-E3/54	SB220S-E3/54	SB360-E3/54	SB5H90-E3/54
SB110-E3/73	SB220S-E3/73	SB360-E3/73	SB5H90-E3/73
SB120-E3/54	SB230S-E3/54	SB360L-5705E3/72	
SB120-E3/73	SB230S-E3/73	SB3H100-E3/54	
SB130-E3/54	SB240S-E3/54	SB3H100-E3/73	

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

**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/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)