

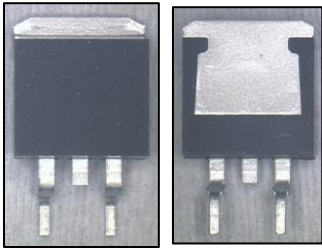
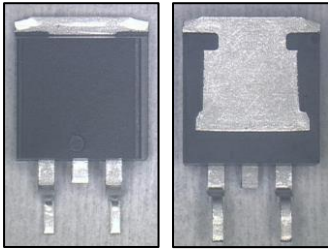




8 inch Wafer Conversion for 100V TMBS and Assembly Site Change for TO-263 package

DESCRIPTION OF CHANGE:

Vishay Diodes Division is converting the wafer source of 100V TMBS in TO-263 packaged products from the existing in-house 6inch wafer to new 8inch wafer from an outsourced foundry in Taiwan.

Additionally, the assembly location of TMBS® (Trench MOS Barrier Schottky) rectifiers in TO-263 package is moving from Vishay Tianjin factory, China to an existing subcontractor in Shandong, China. This existing subcontractor was already introduced before for TMBS products in TO-263 package through PCN-DD-023-2019.

Qualification test has been confirmed to meet and pass all specifications for commercial grade. The datasheet spec. including package outline dimensions remain unchanged and the finished good appearance and reel packing variance are shown in below table. There will be no other change in form, fit or function of final products.

Changes	Current	New
TO-263AB Outline		
Reel Packing	<p>(without inner box)</p>  	<p>(with inner box)</p>  

CLASSIFICATION OF CHANGE: Wafer Diameter/Location, Assembly Site.

REASON FOR CHANGE: Process consolidation, Capacity support expansion.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

There will be no effect on quality & reliability performance.

PRODUCT CATEGORY: Rectifiers



Product Change Notification



Product Group: Diodes Division / June 15, 2020 / PCN-DD-009-2020 Rev.0

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

➤ 8 inch wafer conversion only

Part Number				
VB20100C-E3/4W	VB20100SG-E3/8W	VB30100SG-E3/4W	VB30100S-M3/8W	VB40100G-E3/8W
VB20100C-E3/8W	VB30100C-E3/4W	VB30100SG-E3/8W	VB40100C-E3/4W	VB60100C-E3/4W
VB20100S-E3/4W	VB30100C-E3/8W	VB30100SG-M3/4W	VB40100C-E3/8W	VB60100C-E3/8W
VB20100S-E3/8W	VB30100S-E3/4W	VB30100SG-M3/8W	VB40100C-E3H/I	
VB20100SG-E3/4W	VB30100S-E3/8W	VB30100S-M3/4W	VB40100G-E3/4W	

➤ Assembly site change only

Part Number				
VB10170C-E3/4W	VB30120S-M3/4W	VB40170C-E3/8W	VBT2045C-M3/8W	VBT4060C-M3/4W
VB10170C-E3/8W	VB30120S-M3/8W	VB40170C-M3/I	VBT3045C-M3/4W	VBT4060C-M3/8W
VB10170C-M3/I	VB30M120C-E3/4W	VB40M120C-E3/4W	VBT3045C-M3/8W	VBT6045C-M3/4W
VB20M120C-E3/4W	VB30M120C-E3/8W	VB40M120C-E3/8W	VBT30L60C-E3/4W	VBT6045C-M3/8W
VB20M120C-E3/8W	VB30M120C-M3/I	VB40M120C-M3/I	VBT30L60C-E3/8W	
VB20M120C-M3/I	VB40170C-E3/4W	VBT2045C-M3/4W	VBT30L60C-M3/I	

➤ 8 inch wafer conversion + Assembly site change

Part Number				
VB20100C-M3/4W	VB20100S-M3/4W	VB30100C-M3/4W	VB40100C-M3/4W	VB60100C-M3/4W
VB20100C-M3/8W	VB20100S-M3/8W	VB30100C-M3/8W	VB40100C-M3/8W	VB60100C-M3/8W

VISHAY BRAND: Vishay General Semiconductor

TIME SCHEDULE: Start Conversion Date: August 20, 2020

Last Time Buy Date from original site: September 15, 2020

Last Time Shipment Date from original site: December 15, 2020

SAMPLE AVAILABILITY: Available upon request.

PRODUCT IDENTIFICATION: Wafer source traceability is done through Lot Number.

The manufacturing site code "E" will be added followed by date code (XXXXE/MXXE) for identification of the new assembly site.

QUALIFICATION DATA: Available upon request.

RESPONSE DATE: This PCN is considered approved, without further notification, unless we receive specific customer concerns before **August 15, 2020** 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.

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