

# PRODUCT CHANGE NOTIFICATION

Ref Nr: EBR-0176-20240311  
Date: Mar 11, 2024

**TO:** Customers who may concern      **FROM:** Product Marketing, CPC

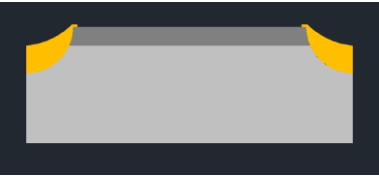
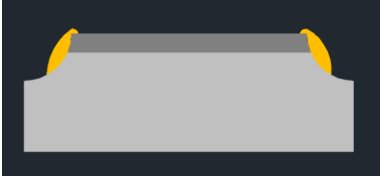

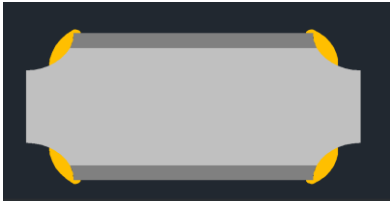
**HEREWITH YOU ARE INFORMED OF OUR INTENTION TO CHANGE THE PASSIVATION PROCESS OF TVS CHIP GLASS.** <sup>1</sup>

**DESCRIPTION:**

To further advance our semiconductor product line, we are transitioning our TVS medium and high voltage (11V-220V) single-die products from the DB to the PG fabrication process. This strategic move primarily involves refining the glass passivation technique to enhance the overall performance of our products. The process focuses on optimizing the glass layer within the die groove, ensuring it does not interfere with the die separation process, while maintaining the electrical characteristics of the devices and ensuring there is no compromise on performance metrics.

Please be informed that this change will be phased in gradually. Starting from October 1st, shipments will include products manufactured using the PG process. The specific part numbers affected by this transition will be detailed in an accompanying attachment for your reference.

Enclosed is a comparative visual representation depicting the modifications pre and post-optimization. This elucidates the enhancements made and reaffirms our commitment to product excellence and reliability. We believe this proactive approach in communicating changes demonstrates our dedication to transparency and customer satisfaction.

TVS	Before change (DB)	After change (PG)
schematic		
		

**REASONS:** Optimizing the glass structure within the die groove enhances product reliability.

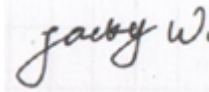


**EXPECTED INFLUENCE ON PERFORMANCE:** Quality improved.

**EXPECTED INFLUENCE ON QUALITY AND RELIABILITY:** Quality improved.

**CHANGE:**

Quality REPORTS available: Available.  
SAMPLES available Available  
Implementation date: October 1, 2024  
Type identification after change: LOT NO.

SUGGESTION FOR ALTERNATIVE PRODUCTS: None

Quality Manager:	Product Manager:	Sales Manager:
Signature:	Signature:	Signature:
		
Date: 2024.3.20	Date: 2024.3.20	Date: 2024.3.20

FOR MORE INFORMATION, CONTACT: Yageo sales contact window

RETURN YOUR COMMENTS BEFORE: May 1, 2024

Remarks: If customer has no feedback about this change before the customer response date, the change will be regarded as approved by customer automatically.

Comments:

Date:

Function: -

Signature:

Attachment:

