

**PCN # 212**  
**Notification Date:**  
**May 25, 2021**

## Product / Process Change Notice

**Parts Affected:**

Zener diodes manufactured in the DO-201 case as shown: CZ5341B through CZ5373B.

**Extent of Change:**

Additional wafer fab site.

**Reason for Change:**

As part of Central Semiconductor's supply chain risk mitigation initiative, in an effort to ensure an undisrupted supply of product, an additional wafer fabrication site is being added for the referenced product family. Product specifications, quality and reliability are not impacted by this addition.

**Effect of Change:**

This addition does not affect the fit, form or function of devices.

**Qualification:**

Test	Condition	Failure rate
Resistance to Solder Shock	T = 270°C ± 5°C Dwell time = 7 s +2/-0 <b>JESD22-B106</b>	0/5
High Temperature Storage Life/ bake test.	150°C (-0/+10)°C, 1000 hours. <b>JESD22-A103</b>	0/77
Temperature Cycling	T = -65°C to +150°C 1000 cycles. Dwell time = 15 min. <b>JESD22-A104</b>	0/77
High Temperature Reverse Bias (HTRB)	T = 125°C, t = 1000 hours, V <sub>R</sub> = V <sub>Z</sub> <b>JESD22-A108</b>	0/77
Temperature and Humidity Bias Test (THB)	T = 85°C, RH = 85%, and t = 1000 hours. Bias conditions per device specification sheet. <b>JESD22-A110</b>	0/77
Accelerated Moisture Resistance Unbiased Autoclave	Temperature = 121°C ± 2°C; relative humidity = 100%; vapor pressure = 29.7 psia (15psig). t = 96 hours <b>JESD22-A102</b>	0/77

**Earliest Effective Date of Change:**

August 20, 2021

**Inventory Availability**

Existing inventory will be shipped until depleted.



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<https://www.centralsemi.com/process-change-notices>

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**Sample Availability:**

Please contact your salesperson or manufacturer's representative for samples.

As per JEDEC standard JESD46, Customer Notification of Product/Process Changes by Solid-State Suppliers, a lack of acknowledgement of a PCN within thirty (30) days constitutes acceptance of the change.

The undersigned acknowledges and accepts Central Semiconductor's Product/Process Change Notification (PCN).

Company Name:	
Address:	
Printed Name:	
Title:	
Signature:	
Date:	