

**PCN # 163**  
**Notification Date:**  
**March 19, 2018**

## Product / Process Change Notice

**Parts Affected:**

Zener diodes manufactured in the SMA, SMB, SMC, DO-41 and DO-201 cases shown below:

SMA Case	SMB Case	SMC Case	DO-41 Case	DO-201 Case
CMZ5918B thru CMZ5956B	CMZ5918BP thru CMZ5956BP	CMZ5338B thru CMZ5388B	1N5918B thru 1N5956B, 1N4734A thru 1N4764A	CZ5338B thru CZ5388B

**Extent of Change:**

Addition of new wafer fab.

**Reason for Change:**

As part of Central Semiconductor’s supply chain risk mitigation initiative, and in an effort to ensure uninterrupted product supply, an additional wafer fabrication site is being added for the referenced product families. 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 the devices.

**Qualification:**

Test	Condition	Failure rate
Resistance to Solder Shock	T = 260°C ± 5°C Dwell time = 10 sec. <b>JESD22-B106</b>	0/77
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
Highly Accelerated Temperature and Humidity Stress Test (HAST)	T = 130°C, RH = 85%, P = 33.3 psia, and t = 96 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



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**Effective Date of Change:**

Existing inventory will be shipped until depleted.

**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:	