

PCN # 184
Notification Date:
May 29, 2020

Product / Process Change Notice

Parts Affected:

TVS diodes manufactured in the SMC case as shown below

SMC TVS diodes
1.5SMC6.8A-1.5SMC220A
1.5SMC6.8CA-1.5SMC220CA

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 uninterrupted supply of product, 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 devices

Qualification:

Test	Condition	Failure rate
Resistance to Solder Shock	T =260°C ±5°C Dwell time = 10 sec. JESD22-B106	0/77
High Temperature Storage Life/ bake test.	150°C (-0/+10)°C, 1000 hours. JESD22-A103	0/77
Temperature Cycling	T= -65°C to +150°C 1000 cycles. Dwell time = 15 min. JESD22-A104	0/77
High Temperature Reverse Bias (HTRB)	T=125°C, t=1000 hours, V _R =V _Z JESD22-A108	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. JESD22-A110	0/77
Accelerated Moisture Resistance Unbiased Autoclave	Temperature = 121°C ± 2°C; relative humidity = 100%; vapor pressure = 29.7 psia (15psig). t=96 hours JESD22-A102	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:	