

Product / Process Change Notice

Parts Affected:

3KW Transient Voltage Suppressors in the SMC case.

Extent of Change:

Thermal oxide deposition was deployed underneath the original oxide in order to improve the interface. See Figure 1.

Reason for Change:

Silicon fractures were observed on the die after IR reflow which resulted in leakage failures.

Effect of Change:

Oxide was strengthened by utilizing a high temp oxidation process; a thermal oxide deposition was deployed underneath the original oxide.

Qualification:

1000 devices each of 3SMC13CA and 3SMC18CA were subjected to 6 cycles of IR reflow. All devices passed DC Electrical characteristics including Clamping Voltage. No silicon fractures were observed on the die surface.

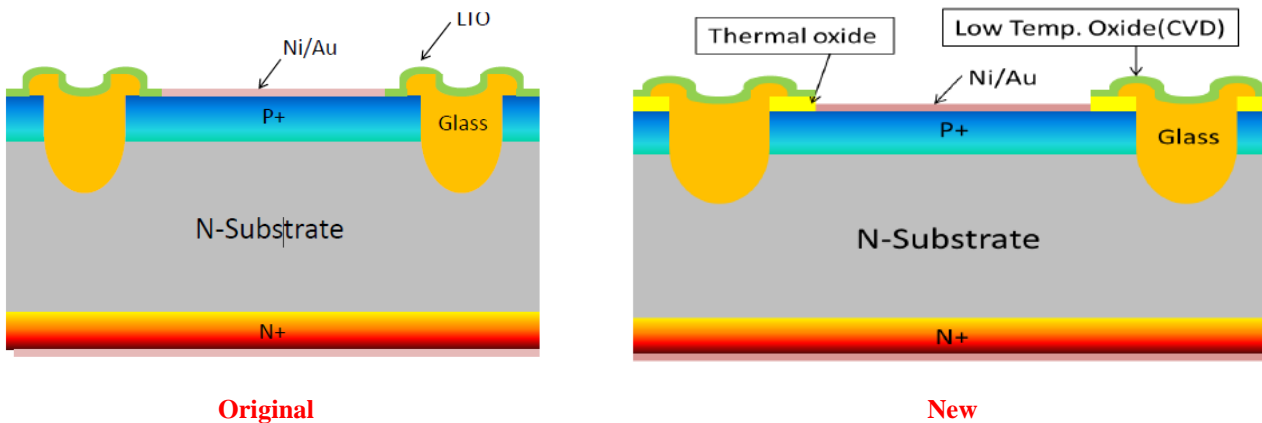
Effective Date of Change:

January 12, 2015

Sample Availability:

Please contact Salesperson or Manufacturer's Representative

Figure 1:



PCN #154
Notification Date:
13 August 2015

Part Numbers Affected:

3SMC5.0A	3SMC5.0CA	3SMC33A	3SMC33CA
3SMC6.0A	3SMC6.0CA	3SMC36A	3SMC36CA
3SMC6.5A	3SMC6.5CA	3SMC40A	3SMC40CA
3SMC7.0A	3SMC7.0CA	3SMC43A	3SMC43CA
3SMC7.5A	3SMC7.5CA	3SMC45A	3SMC45CA
3SMC8.0A	3SMC8.0CA	3SMC48A	3SMC48CA
3SMC8.5A	3SMC8.5CA	3SMC51A	3SMC51CA
3SMC9.0A	3SMC9.0CA	3SMC54A	3SMC54CA
3SMC10A	3SMC10CA	3SMC58A	3SMC58CA
3SMC11A	3SMC11CA	3SMC60A	3SMC60CA
3SMC12A	3SMC12CA	3SMC64A	3SMC64CA
3SMC13A	3SMC13CA	3SMC70A	3SMC70CA
3SMC14A	3SMC14CA	3SMC75A	3SMC75CA
3SMC15A	3SMC15CA	3SMC78A	3SMC78CA
3SMC16A	3SMC16CA	3SMC85A	3SMC85CA
3SMC17A	3SMC17CA	3SMC90A	3SMC90CA
3SMC18A	3SMC18CA	3SMC100A	3SMC100CA
3SMC20A	3SMC20CA	3SMC110A	3SMC110CA
3SMC22A	3SMC22CA	3SMC120A	3SMC120CA
3SMC24A	3SMC24CA	3SMC130A	3SMC130CA
3SMC26A	3SMC26CA	3SMC150A	3SMC150CA
3SMC28A	3SMC28CA	3SMC160A	3SMC160CA
3SMC30A	3SMC30CA	3SMC170A	3SMC170CA



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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:	