



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16703Generic Copy

Issue Date: 11-Aug-2011

TITLE: Final Notification for Transfer of the Low Capacitance Thyristor Surge Protection Devices (TSPD) Series from ON Semiconductor ZR Fab in Phoenix (USA) to ON Semiconductor ISMF Fab in Seremban (Malaysia).

PROPOSED FIRST SHIP DATE: 12-Nov-2011

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <sueihuey.wong@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office.

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Laura Rivers <laura.rivers@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

ON Semiconductor is notifying customers of its plan to transfer GenI Low Capacitance Thyristor Surge Protection Devices (TSPD) Series products from ON Semiconductor ZR Fab in Phoenix (USA) to ON Semiconductor ISMF Fab in Seremban (Malaysia).

The ISMF facility is an ON Semiconductor owned wafer fab that has been producing products for ON Semiconductor since 1998. Several existing technologies within ON Semiconductor's product families are currently sourced from ISMF, including Zener Diodes, Small Signal Diodes, Small Signal Bipolar Transistor, and USB array filter products. ON Semiconductor Seremban Wafer FAB is an internal factory that is TS16949, ISO-9001 and ISO-14000 certified.

Qualification tests are designed to show that the reliability of transferred devices will continue to meet or exceed ON Semiconductor standards.

Products listed in this Final PCN should be transferred to ON Semiconductor ISMF Fab in Seremban (Malaysia) starting 12 November 2011. After 12 November 2011, customer may receive products from either facility.



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RELIABILITY DATA SUMMARY

LOW CAPACITANCE THYRISTOR SURGE PROTECTION DEVICE (TSPD):

Package: SMB

Qual Vehicle:

NP1500SCMCT3G

NP3500SCMCT3G

NP1500SCMCT3G

Test:	Conditions:	Interval:	Results
HTRB	TA=100C,80% Rated Voltage	504 hrs	0/160
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/480
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/160
H3TRB+PC	Ta=85C RH=85%	504 hrs	0/160
	bias=80% rated V or100V Max		
TC+PC	Ta= -65 C to 150 C	500 cyc	0/160
RSH	Ta=260C, 10 sec dwell		0/30

NP3500SCMCT3G

Test:	Conditions:	Interval:	Results
HTRB	TA=100C,80% Rated Voltage	504 hrs	0/160
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/480
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/160
H3TRB+PC	Ta=85C RH=85%	504 hrs	0/160
	bias=80% rated V or100V Max		
TC+PC	Ta= -65 C to 150 C	500 cyc	0/160

ELECTRICAL CHARACTERISTIC SUMMARY:

Available upon request

CHANGED PART IDENTIFICATION:

Affected products from ON Semiconductor with date code A46 representing WW46, 2011 and greater may be sourced from either the ISMF Fab in Seremban (Malaysia) or the ZR Fab in Phoenix (USA).



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List of affected General Parts:

NP0640SAMCT3G
NP0640SBMCT3G
NP0640SCMCT3G
NP0720SAMCT3G
NP0720SBMCT3G
NP0720SCMCT3G
NP0900SAMCT3G
NP0900SBMCT3G
NP0900SCMCT3G
NP1100SAMCT3G
NP1100SBMCT3G
NP1100SCMCT3G
NP1300SAMCT3G
NP1300SBMCT3G
NP1300SCMCT3G
NP1500SAMCT3G
NP1500SBMCT3G
NP1500SCMCT3G
NP1800SAMCT3G
NP1800SBMCT3G
NP1800SCMCT3G
NP2100SAMCT3G
NP2100SBMCT3G
NP2100SCMCT3G
NP2300SAMCT3G
NP2300SBMCT3G
NP2300SCMCT3G
NP2600SAMCT3G
NP2600SBMCT3G
NP2600SCMCT3G
NP3100SBMCT3G
NP3100SCMCT3G
NP3500SAMCT3G
NP3500SBMCT3G
NP3500SCMCT3G