



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION

11 May 2009

SUBJECT: ON Semiconductor Final Product/Process Change Notification #16253

TITLE: Final Notification for Transfer of High Voltage Zener and Zener TVS (Transient Voltage Suppressor) Products from ON Semiconductor ZR Fab in Phoenix (USA) to ON Semiconductor ISMF Fab in Seremban (Malaysia).

PROPOSED FIRST SHIP DATE: 10 Aug 2009

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab Sites

AFFECTED PRODUCT DIVISION(S): Protection & Control Business Unit

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Yew Hee Soon < y.soon@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 your local ON Semiconductor Sales Office.

DESCRIPTION AND PURPOSE:

ON Semiconductor is notifying customers of its plan to transfer High Voltage Zener and Zener TVS products from ON Semiconductor ZR Fab in Phoenix (USA) to ON Semiconductor ISMF Fab in Seremban (Malaysia). This PCN covers the Zener voltage range from 100 V to 200V.

This 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, and USB array filter products. ON Semiconductor Seremban Wafer FA 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.

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Devices listed in this final PCN will transfer to ON Semiconductor ISMF Fab in Seremban (Malaysia) starting 04 Aug 2009. After 04 Aug 2009, customers may receive devices from either facility.

RELIABILITY DATA SUMMARY:**Reliability Test Results:****200V Zener TVS:**

P6SMB200AT3G

Control and Qual.

Test	Conditions	Results
HTRB	Ta=150c, Vr=80% rated V	1008 hrs 0/252
MSL 1	3X IR @ 260C	0/1008*
IOL +PC	Ta=25C, delta Tj max=100C	
	Ton=Toff=2min	15000 cyc 0/252
H3TRB+PC	Ta=85C, RH=85%, Vr=100V	1008 hrs 0/252
Autoclave +PC	Ta=121C, RH=100% psig~15	96 hrs 0/252
Temp Cycle+PC	Ta=-65/150C	1000 cyc 0/252
HTSL	Ta=150C	1000 hrs 0/252
DPA TC	AEC Q101	0/6
DPA H3TRB	AEC Q101	0/6

* MSL 1 @ 260C preconditioning prior to IOL, TC, AC and H3TRB

ELECTRICAL CHARACTERISTIC SUMMARY:

Available upon request

CHANGED PART IDENTIFICATION:

Devices from On Semiconductor with date code 0931 (or 931 or 8) and greater may be sourced from either the ISMF Fab in Seremban (Malaysia) or the ZR Fab in Phoenix (USA).

**Final Product/Process Change Notification #16253****AFFECTED DEVICE LIST**

1N5378BG
1N5378BRLG
1N5380BG
1N5380BRLG
1N5381BRLG
1N5383BG
1N5383BRLG
1N5384BG
1N5384BRLG
1N5386BG
1N5386BRLG
1N5387BRLG
1N5388BG
1N5388BRLG
1N5952BRLG
1N5953BG
1N5953BRLG
1N5955BRLG
1N5956BG
1N5956BRLG
1N6295AG
1SMB100AT3G
1SMB110AT3G
1SMB110AT3G
1SMB120AT3G
1SMB120AT3G
1SMB130AT3G
1SMB130AT3G
1SMB150AT3G
1SMB150AT3G
1SMB160AT3G
1SMB160AT3G
1SMB170AT3G
1SMB170AT3G
1SMB5949BT3G
1SMB5951BT3G
1SMB5952BT3G
1SMB5953BT3G
1SMB5954BT3G
1SMB5955BT3G
1SMB5956BT3G
1SMB85AT3G
1SMB90AT3G
BZG03C150G
MMSZ5272BT3G
P6KE100ARLG
P6KE120ARLG
P6KE130AG
P6KE150AG
P6KE150AG
P6KE150ARLG
P6KE150ARLG

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P6KE160ARLG
P6KE160ARLG
P6KE180ARLG
P6KE180ARLG
P6KE200AG
P6KE200AG
P6KE200ARLG
P6KE200ARLG
P6KE200BRLG
P6KE200BRLG
P6SMB100AT3G
P6SMB120AT3G
P6SMB130AT3G
P6SMB150AT3G
P6SMB150AT3G
P6SMB160AT3
P6SMB160AT3
P6SMB160AT3G
P6SMB160AT3G
P6SMB180AT3G
P6SMB180AT3G
P6SMB200AT3
P6SMB200AT3
P6SMB200AT3G
P6SMB200AT3G
S1ZP6SMB150AT3
S1ZP6SMB150AT3
SA100AG
SA170ARLG
SA170ARLG
SZ1SMB5952BT3
SZ1SMB5953BT3
SZ1SMB5956BT3G
SZ2888BT3G
SZP6SMB200AT3G
SZP6SMB200AT3G