



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION
Generic Copy

10-Nov-2009

SUBJECT: ON Semiconductor Final Product/Process Change Notification #16356

TITLE: Additional Assembly Site Qualification (Seeful) for TVS and Zener in SMB

PROPOSED FIRST SHIP DATE: 10-Feb-2010

AFFECTED CHANGE CATEGORY(S): Subcontractor Assembly and Test Site

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 or Yew Hee Soon <y.soon@onsemi.com>

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:

This is the final notification announcing that ON Semiconductor is adding assembly and test manufacturing capacity for SMB packaged Zener and TVS products at Liteon Seeful's assembly/test factory located in China.

**Final Product/Process Change Notification #16356****RELIABILITY DATA SUMMARY:**

Reliability testing was performed on qualification vehicle chosen based on die size and voltage rating.

Reliability Test Results:**P6SMB91AT3G**

Test	Conditions	Interval	Results
HTRB	Ta=150C, 80% Rated Voltage	1008 hrs	0/240
HTSL	Ta = 150C	1008 hrs	0/240
Precondition	MSL1@ 260C, 3 X IR at 260C		0/960
Autoclave + PC	Ta = 121C RH = 100% ~15 psig	96 hrs	0/240
HAST + PC	Ta=130C RH=85% ~18.8 psig 80% rated V or 100V max	96 hrs	0/240
IOL + PC	Ta = 25C, Delta Tj = 100C, Ton/off =2 min.	15000 cyc	0/240
TC + PC	Ta = - 65C to 150C	1000 cyc	0/240
RSH	Ta = 260C		0/90

ELECTRICAL CHARACTERISTIC SUMMARY:

Available upon request

CHANGED PART IDENTIFICATION:

Devices from ON Semiconductor with date code of 1005 and greater may be sourced from either Seremban (Malaysia) or Seeful in Shanghai (China).

**Final Product/Process Change Notification #16356****AFFECTED DEVICE LIST**

1SMB10AT3G
1SMB11AT3G
1SMB12AT3
1SMB12AT3G
1SMB13AT3G
1SMB13AT3H
1SMB14AT3G
1SMB15AT3
1SMB15AT3G
1SMB15AT3H
1SMB16AT3G
1SMB17AT3G
1SMB18AT3
1SMB18AT3G
1SMB20AT3G
1SMB22AT3G
1SMB24AT3G
1SMB26AT3G
1SMB28AT3G
1SMB30AT3G
1SMB33AT3
1SMB33AT3G
1SMB36AT3
1SMB36AT3G
1SMB40AT3
1SMB40AT3G
1SMB43AT3G
1SMB45AT3G
1SMB48AT3G
1SMB5.0AT3
1SMB5.0AT3G
1SMB51AT3G
1SMB54AT3G
1SMB58AT3G
1SMB5925BT3
1SMB5925BT3G
1SMB5926BT3
1SMB5926BT3G
1SMB5927BT3G
1SMB5927BT3H
1SMB5928BT3
1SMB5928BT3G
1SMB5929BT3
1SMB5929BT3G
1SMB5930BT3G
1SMB5931BT3
1SMB5931BT3G
1SMB5932BT3G
1SMB5933BT3G
1SMB5934BT3
1SMB5934BT3G
1SMB5935BT3
1SMB5935BT3G

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1SMB5936BT3G
1SMB5937BT3G
1SMB5938BT3
1SMB5938BT3G
1SMB5939BT3
1SMB5939BT3G
1SMB5940BT3G
1SMB5941BT3G
1SMB5942BT3G
1SMB5943BT3G
1SMB5944BT3G
1SMB5945BT3G
1SMB5946BT3G
1SMB5947BT3G
1SMB5948BT3G
1SMB6.0AT3
1SMB6.0AT3G
1SMB6.5AT3G
1SMB60AT3G
1SMB64AT3G
1SMB7.0AT3
1SMB7.0AT3G
1SMB7.5AT3G
1SMB70AT3
1SMB70AT3G
1SMB75AT3G
1SMB8.0AT3G
1SMB8.5AT3G
1SMB85AT3G
1SMB9.0AT3G
1SMB90AT3G
NSB12ANT3G
NSB13ANT3G
NSB13ANT3H
P6SMB10AT3G
P6SMB12AT3G
P6SMB13AT3G
P6SMB15AT3G
P6SMB15AT3H
P6SMB16AT3G
P6SMB18AT3G
P6SMB20AT3
P6SMB20AT3G
P6SMB22AT3G
P6SMB24AT3G
P6SMB27AT3G
P6SMB30AT3
P6SMB30AT3G
P6SMB30SAT3G
P6SMB33AT3G
P6SMB36AT3
P6SMB36AT3G
P6SMB39AT3
P6SMB39AT3G
P6SMB43AT3

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P6SMB43AT3G
P6SMB47AT3G
P6SMB51AT3
P6SMB51AT3G
P6SMB56AT3G
P6SMB6.8AT3
P6SMB6.8AT3G
P6SMB6.8AT3H
P6SMB62AT3G
P6SMB68AT3G
P6SMB7.5AT3G
P6SMB75AT3G
P6SMB8.2AT3G
P6SMB82AT3G
P6SMB9.1AT3G
P6SMB91AT3
P6SMB91AT3G
SC1SMB12AT3G
SC1SMB5.0AT3G
SC1SMB75AT3G
SCP6SMB12AT3G
SCP6SMB15AT3G
SCP6SMB18AT3G
SCP6SMB20AT3G
SCP6SMB36AT3G
SCP6SMB43AT3G
SCP6SMB68AT3G
SMBJ12AONT3G
SMBJ12AONT3H
SZP6SMB68AT3G