



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16451Generic Copy

12-Apr-2010

TITLE: Additional Assembly/Test Site for capacity expansion of Surface Mount Zener in SMA package.

PROPOSED FIRST SHIP DATE: 12-Jul-2010

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

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Huey Shan Wong
< hueyshan.wong@onsemi.com >

SAMPLES / ELECT DATA: Contact your local ON Semiconductor Sales Office or Huey Shan Wong
< hueyshan.wong@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 <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

This is the final notification announcing that ON Semiconductor is adding assembly and test manufacturing capacity for SMA packaged Zener halide-free affected devices at Liteon Seeful's factory in China. Liteon currently produces Zener, TVS, & Rectifier surface mount products for ON Semiconductor.



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RELIABILITY DATA SUMMARY:

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 260 C | | 0/960 |
| Autoclave+PC | Ta=121C RH=100% ~15 psig | 96 hrs | 0/240 |
| HAST +PC | Ta=131C RH=85%, psig~18.8 bias=80% rated V or 100V Max | 96 hrs | 0/240 |
| IOL+PC | Ta=25C, Delta TJ = 100 C, Ton/off = 2 min. | 15000 cyc | 0/240 |
| TC+PC | Ta= -65 C to 150 C | 1000 cyc | 0/240 |
| RSH | Ta=260C, 10 sec dwell | | 0/90 |
| DPA | Post TC | | 0/6 |
| DPA | Post H3TRB | | 0/6 |

ELECTRICAL CHARACTERISTIC SUMMARY:

Product performance meets data sheet specifications.

CHANGED PART IDENTIFICATION:

Devices with date code of 1027 and greater may be sourced from either Seremban (Malaysia) or Seefull in Shanghai (China).



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List of affected General Parts:

1SMA5925BT3G
1SMA5927BT3G
1SMA5928BT3G
1SMA5929BT3G
1SMA5930BT3G
1SMA5931BT3G
1SMA5932BT3G
1SMA5933BT3G
1SMA5934BT3G
1SMA5935BT3G
1SMA5936BT3G
1SMA5937BT3G
1SMA5938BT3G
1SMA5939BT3G
1SMA5940BT3G
1SMA5941BT3G
1SMA5942BT3G
1SMA5943BT3G
1SMA5945BT3G