



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16451

Generic 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.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16451****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 or100V 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