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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16510A**

Generic Copy

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**Issue Date:** 23-May-2013

**TITLE:** Additional Assembly/Test Site for capacity expansion of Surface Mount Rectifiers in SMA/SMB package. Site Previously Qualified.

**PROPOSED FIRST SHIP DATE:** 23-Aug-2013

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

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Raja Roziah Raja Rahmat  
<[Raja.Roziah.Rahmat@onsemi.com](mailto:Raja.Roziah.Rahmat@onsemi.com)>

**SAMPLES:** Contact your local ON Semiconductor Sales Office or Norfizah Mohd Ariffin  
<[Norfizah.MohdAriffin@onsemi.com](mailto:Norfizah.MohdAriffin@onsemi.com)>

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Laura Rivers <[Laura.Rivers@onsemi.com](mailto: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](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

ON Semiconductor has previously qualified LiteOn Seeful (China) to assemble/test of SMA/SMB Schottky and Ultrafast Rectifiers per FPCNs 16510, 16012, and 15687. This is the final notification announcing that ON Semiconductor is adding the attached devices for assembly and test in SMA/SMB packages at Liteon Seeful's factory in China for additional capacity to support demands and reduce product leadtimes.



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**RELIABILITY DATA SUMMARY:**

**MURS260T3G – Ultrafast Rectifier**

<b>Test</b>	<b>Conditions</b>	<b>Interval</b>	<b>Results</b>
HTRB	Ta=150C,80% Rated Voltage	1008 hrs	0/240
Precondiitiong	MSL1 @ 260, A113		0/480
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
TC+PC	Ta= -65 C to 150 C	1000 cyc	0/240

**MBRS1100T1G – Schottky Rectifier**

<b>Test</b>	<b>Conditions</b>	<b>Interval</b>	<b>Results</b>
HTRB	Tj=150C,80% Rated Voltage	1008 hrs	0/240
Precondiitiong	MSL1 @ 260, A113		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB +PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 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	1000 cyc	0/240
RSH	Ta=260C, 10 sec dwell		0/30

**ELECTRICAL CHARACTERISTIC SUMMARY:**

Product performance meets data sheet specifications.

**CHANGED PART IDENTIFICATION:**

Devices sourced from Seefull in Shanghai (China) will carry the site code “p” (lower case) on the package marking.



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**List of affected General Parts:**

MBRA210ET3G  
MBRA210LT3G  
MBRA2H100T3G  
MBRA320T3G  
MBRA340T3G  
MURA105T3G  
MURA110T3G  
MURA115T3G  
MURA120T3G  
MURA130T3G  
MURA140T3G  
MURA205T3G  
MURA210T3G  
MURA215T3G  
MURA220T3G  
MURA230T3G  
MURA240T3G  
MBRS120T3G  
MBRS130LT3G  
MBRS130T3G  
MBRS140T3G  
MBRS1540T3G  
MBRS190T3G  
MBRS230LT3G  
MBRS260T3G  
MBRS2H100T3G  
MBRS3200T3G  
MBRS360BT3G  
MURS230T3G  
MURS240T3G  
SS22T3G  
SS24T3G