



UPDATE CHANGE NOTIFICATION

Generic Copy

08-May-2007

SUBJECT: ON Semiconductor Update Notification #16012

TITLE: Update Notification - Additional Assembly/Test Site Qualification for SMB – Site Previously Qualified

PROPOSED FIRST SHIP DATE: 08-Jul-2007

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

AFFECTED PRODUCT DIVISION(S): Rectifiers

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Edwin.zhou@onsemi.com>

SAMPLES: Please contact your local ON Semiconductor sales representative

ADDITIONAL RELIABILITY DATA: Reliability summary identified below or contact m.wasilewski@onsemi.com

NOTIFICATION TYPE:

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 notification is an update (includes additional device types) to a previous Final PCN # 11621 & 15687 issued by ON Semiconductor.

ON Semiconductor has previously qualified LiteOn Seeful (China) to assemble/test SMB Rectifiers. Reliability Qualification has been performed to AEC-Q101 guidelines and all devices have successfully passed testing.

The purpose for updating this PCN is to add additional devices for additional capacity to support demands and reduce product lead-times.



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Reliability Test Results:

Test Conditions

HTRB Vr=80% Max BiasV, Ta=150degC, 1000 hrs.
 Temp Cycle Air to Air, -65 to +150C, 1000 cycles
 Autoclave Ta=121C, RH= 100%, PSig=15, 96 hrs.
 H3TRB Vr=85%V, Ta=85C, RH= 85%, 1000 hrs.
 IOL Ta=25C, If = 0.8A, 2 minutes on/off, 15000 cycles
 D.P.A. Post H3TRB and Temp Cycle
 Physical Dimension Per Case Outline Drawing
 Res. To Solder Heat 260 C, Td=10s
 Solderability, 8 hrs Steam aging

Test Desc.	Interval	Control	Test Lot A	Test Lot B	Test Lot C
HTRB	1000 hrs	0/80	0/80	0/80	0/80
Temp Cycle	1000 cyc	0/80	0/80	0/80	0/80
Autoclave	96 hrs	0/80	0/80	0/80	0/80
H3TRB	1000 hrs	0/80	0/80	0/80	0/80
IOL	15000 cyc	0/80	0/80	0/80	0/80
D. P. A. -		Pass	Pass	Pass	Pass
Physical Dimension -		Pass	Pass	Pass	Pass
Res. To Solder Heat -		Pass	Pass	Pass	Pass
Solderability		Pass	Pass	Pass	Pass

ELECTRICAL CHARACTERISTIC SUMMARY:

No changes to electrical parametrics or specifications

CHANGED PART IDENTIFICATION:

Devices marked with Date Code Identifier of "p" will be from alternate site. Current site is marked with a 'R'.

AFFECTED DEVICE LIST

PART

- MURS260T3G
- MURS220T3G
- MURS210T3G
- MURS205T3G
- MURS160T3G
- MURS140T3G
- MURS120T3G
- MURS115T3G
- MURS110T3G
- MURS105T3G