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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20801**Generic Copy

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**Issue Date:** 17-Mar-2015

**TITLE:** Final Notification of Passivation Improvement of ESDR7534W1T2G Low Capacitance TVS (Transient Voltage Suppressor) Array product from ON Semiconductor Fab10 Fab in Pocatello (USA)

**PROPOSED FIRST SHIP DATE:** 24-Jun-2015 or earlier with customer approval

**AFFECTED CHANGE CATEGORY(S):** ON Semiconductor Fab

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Product Engineer Ernest Estiller  
<ernest.estiller@onsemi.com>

**SAMPLES:** Contact your local ON Semiconductor Sales Office

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Reliability / Quality Engineer  
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 has added passivation in the Fab Processing of the product ESDR7534W1T2G. This is being added to improve yield and ensure that manufacturing supply of this product are continuous and in the quantity needed to fulfill production orders.

There will be no change to electrical specifications or device physical parameters.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20801****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

| <b>Test</b> | <b>Conditions</b>                               | <b>Results</b> |
|-------------|---|----------------|
| TC +PC      | Ta= -65/150C 1000 cyc                           | 0/232          |
| H3TRB +PC   | Ta=85C, RH=85%, V=80% rated, 1008hrs            | 0/232          |
| AC+PC       | Ta=121C, RH=100%, ~14.7psig, 96 hours           | 0/232          |
| IOL+PC      | Ta=25C, delta TJ=100C, Ton=Toff=2min, 15000 cyc | 0/232          |
| HTRB        | Ta=150C, V=80% rated, 1008 hrs                  | 0/232          |
| RSH         | Ta=260C, 10 sec dwell                           | 0/30           |

**CHANGED PART IDENTIFICATION:**

Devices with date code marking of "5" or later may be sourced with passivation or no passivation.

**List of Affected General Parts:**

ESDR7534W1T2G