DATE:  14th June, 2012

PCN #:  2083

PCN Title:  $T_A$ Max Specification Update on the AP2501M8-13 and AP2511M8-13 Products

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification immediately upon receipt. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team
PRODUCT CHANGE NOTICE  
PCN-2083 REV 00

<table>
<thead>
<tr>
<th>Notification Date:</th>
<th>Implementation Date:</th>
<th>Product Family:</th>
<th>Change Type:</th>
<th>PCN #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>14th June, 2012</td>
<td>Immediate</td>
<td>Analog Semiconductors</td>
<td>Electrical Specification</td>
<td>2083</td>
</tr>
</tbody>
</table>

**TITLE**

TA Max Specification Update on the AP2501M8-13 and AP2511M8-13 Products

**DESCRIPTION OF CHANGE**

This PCN is being issued to notify customers that Diodes is amending the Operating Ambient Temperature (TA) range as shown in ‘Note 5’ of the applicable device data sheet (excerpt shown below):

**Recommended Operating Conditions**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Parameter</th>
<th>Min</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIN</td>
<td>Input voltage</td>
<td>2.7</td>
<td>5.5</td>
<td>V</td>
</tr>
<tr>
<td>IOUT</td>
<td>Output Current</td>
<td>0</td>
<td>2.5</td>
<td>A</td>
</tr>
<tr>
<td>TA</td>
<td>Operating Ambient Temperature (Note 5)</td>
<td>-40</td>
<td>+85</td>
<td>°C</td>
</tr>
</tbody>
</table>

Note 5:  \( T_A (\text{MAX}) = +70^\circ C \) if \( V_{\text{IN}} \leq 4.1V \) and \( I_{\text{OUT}} = 2.5A \) to keep device from going into thermal protection.

There will be no change to the Form or Fit of the affected products.

**IMPACT**

Continuity of Supply

**PRODUCTS AFFECTED**

AP2501M8-13 and AP2511M8-13

**WEB LINKS**

Manufacturer’s Notice: [http://www.diodes.com/quality/pcns](http://www.diodes.com/quality/pcns)

For More Information Contact: [http://www.diodes.com/contacts](http://www.diodes.com/contacts)

Data Sheet: [http://www.diodes.com/products](http://www.diodes.com/products)

**DISCLAIMER**

Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.