



**PCN: V13-001-SD475415-0A**

## Product Change Notice

Issue Date: 06 February 2013

**Change Type:**

Introduction of new die source for High Brightness SMT AlInGaP LED Lamps

**Parts Affected:**

The list of part numbers affected by the change are:

ALMD-EG3D-VX002	ALMD-EG3D-VW002	ALMD-EL3D-VX002	ALMD-EL3D-VWK02
ALMD-EL3D-WXL02	ALMD-LG36-WZ002	ALMD-LL36-WZ002	QLMD-LG93-WX002

**Description and Extent of Change:**

**1) New die source**

The selected die source is qualified per Avago's qualification process. Below are the changes on product performance incorporating with selected new die source.

Parameter	Existing die source	New die source																
Maximum LED Junction Temperature	130°C	110°C																
Maximum Forward Current vs Ambient Temperature	<table border="1" style="display: none;"> <caption>Data for Existing die source graph</caption> <tr><th>Ambient Temp (°C)</th><th>Max Forward Current (mA)</th></tr> <tr><td>0</td><td>50</td></tr> <tr><td>45</td><td>50</td></tr> <tr><td>85</td><td>28</td></tr> </table>	Ambient Temp (°C)	Max Forward Current (mA)	0	50	45	50	85	28	<table border="1" style="display: none;"> <caption>Data for New die source graph</caption> <tr><th>Ambient Temp (°C)</th><th>Max Forward Current (mA)</th></tr> <tr><td>0</td><td>50</td></tr> <tr><td>45</td><td>50</td></tr> <tr><td>85</td><td>20</td></tr> </table>	Ambient Temp (°C)	Max Forward Current (mA)	0	50	45	50	85	20
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**Reasons for Change:**

**1) New die source**

Assurance of supply to customers

**Effect of Change on Fit, Form, Function, Quality, or Reliability:**

There is no effect on fit & form. The function change of selected new die source had passed Avago qualification to ensure same quality and reliability.

**Effective Date of Change:**

Shipment may contain both die sources starting 06-March 2013. No sorting is required. Customer is advised to refer to the new derating curve effective immediately.

**Qualification Data:**

Qualification data will be made available upon request.

These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80, 5957-0258-80 and 971-5507-82.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements.