

Product Change Notice

Issue Date: 10th December 2009

Change Type:

MAJOR CHANGE

Please be advised that Avago Technologies is making the following product change on the effective date noted for the products listed below:

1. Cosmetic change: Convert from Blue and Green tinted parts to untinted parts.

Parts Affected:

The products affected by the change are:

PLCC2,Top Mt,Black, InGaN,Blue

HSMN-A160-P00J1
HSMN-A160-R2WJ1
HSMN-A161-N00J1

PLCC2,Top Mt,Black, InGaN,Grn

HSMM-A160-S00J1
HSMM-A160-T2WJ1
HSMM-A161-R00J1

Description and Extent of Change:

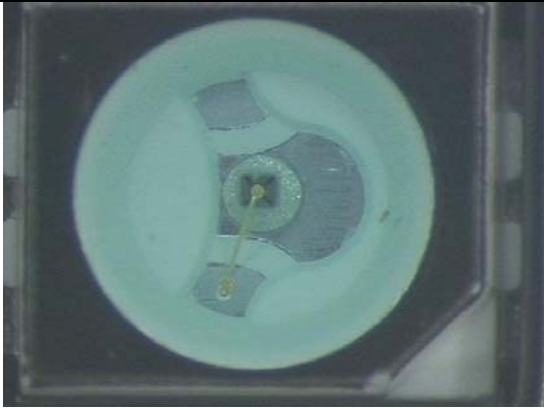

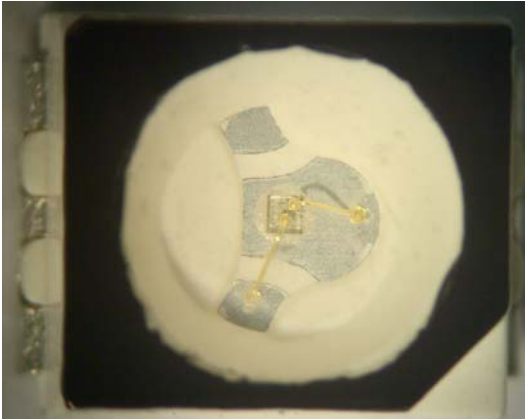
1. Products will have black surface without tint.

Reasons for Change:

1. To standardize PLCC 2 encapsulation method.

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

There is no change on fit and function. There will be change in form due to the change of green and blue tinted parts to untinted parts. The surface appearance difference shown below.

Part with Green Tint	Part with Blue Tint
	
Parts without Blue and Green Tint	
	

Effective Date of Change:

Effective from 11th January 2010, shipments will be without blue and green tint. There may be mixed shipments between new and existing part until the current inventory is fully depleted.

Qualification Data:

Test	Reference	Sample Size	Result
Temperature Cycling -55/100°C 15/5/15min	Avago Req	600	Pass 1000cyc
High Humidity Storage Life 85°C / 85%RH	Avago Req	336	pass 1000hrs
High Humidity Operating Life 85°C / 85%RH, 12mA	JESD22-A101	336	pass 1000hrs
High Temperature Operating Life 55°C , 20mA	JESD22-A108	336	pass 1000hrs
Room Temperature Operating Life 25°C , 30mA	Avago Req	336	pass 1000hrs
Temperature Humidity Power Cycle 25/65°C, 95%RH , 3 6 3 hrs, 8mA, 5 mins on/off	Avago Req	336	pass 100cyc

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.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.