

Product / Process Change Notification

2010-03-16

!! 1st UPDATE !!

OS-PCN-2010-016-A1

Dear Customer,

There are changes compared to previous OS-PCN-2010-016-A - see next page.

“Introduction of Ni underlayer for Infrared PowerTOPLED and TOPLED with lens”

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **20th April 2010**.
- OSRAM aligns with the widely-recognized JEDEC STANDARD “JESD46-B”, which stipulates: “Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change”.

Your prompt reply will help OSRAM OS to assure a smooth and well executed transition. If OSRAM does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

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OS-PCN-2010-016-A1

- Updated Information in **ITALIC BLUE TYPE**
- Original PCN see PCN N° OS-PCN-2010-016-A dated 15th February 2010

SUBJECT OF CHANGE: Introduction of Ni underlayer for Infrared PowerTOPLED and TOPLED with lens

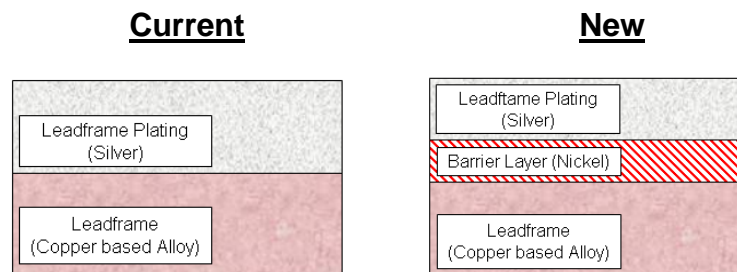
PRODUCTS AFFECTED: Please refer to:
[1_cip_OS-PCN-2010-016-A1_Product_List](#)

REASON OF CHANGE: In order to achieve further improvement of product robustness a diffusion barrier layer will be integrated between the leadframe base metal and final silver finish in combination with an increased die attach cure temperature.

There are no changes at the physical outlines of the IRED / Detector. The solder terminals will remain unchanged.

DESCRIPTION OF CHANGE:

Leadframe Plating



Glue Curing Temperature

Glue curing temperature will be increased by 20°C

Please take note:

For some of the products affected by this PCN (PowerTopled with Lens), another product change notification (OS-PCN-2009-021-A) was distributed to customers in parallel.

PCN-samples ordered via OS-PCN-2010-016-A1 will also include the changes explained in OS-PCN-2009-021-A1.

See also [1_cip_OS-PCN-2010-016-A1_Product_List](#) for details.

PRODUCT IDENTIFICATION: Date code

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OS-PCN-2010-016-A1

TIME SCHEDULE:	OS-PCN-2010-016-A	OS-PCN-2010-016-A1
Qualification report:	March 2010	April 2010 <i>see 2_cip_OS-PCN-2010-016-A1</i>
Samples available:	March 2010 <i>see 1_cip_OS-PCN-2010-016-A_Product_List</i>	Earliest June 2010 <i>see 2_cip_OS-PCN-2010-016-A1</i>
Production release:	March 2010	July 2010
Start of delivery: (*or earlier if released by customers)	May 2010*	July 2010*
ASSESSMENT:	<u><i>For changes according to OS-PCN-2010-016-A1 (Ni-Underlayer introduction):</i></u> No impact on product reliability nor on electrical or optical parameters. No changes in data sheet <u><i>For changes according to OS-PCN-2009-021-A1 (Chip-Improvement)</i></u> <i>There will be changes in the respective data sheets. For further details, please refer to respective OS-PCN-2009-021-A1</i>	
DOCUMENTATION:	<i>1_cip_OS-PCN-2010-016-A1_Product_List</i>	

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OS-PCN-2010-016-A1

Customer Approval Form

Introduction of Ni underlayer for Infrared PowerTOPLED and TOPLED with lens

Please list product(s) affected in your application(s):	
Please check the appropriate box below:	
<input type="checkbox"/>	We agree with the proposed change and accept start of shipment upon availability of new version.
<input type="checkbox"/>	We have objections:
<input type="checkbox"/>	We need more information:
<input type="checkbox"/>	We need the following samples:
Sender:	Company:
	Name:
Address/Location:.....	
Signature	Date
Please return to your Sales partner:	
	Name:
Address/Location:	
TELEPHONE	FAX
	E-MAIL

Products affected:

Device

TOPLED with Lens

<i>SFH 4209</i>	discontinued product
<i>SFH 4246</i>	will be discontinued soon
<i>SFH 4289</i>	will be discontinued soon
SFH 3219	

PowerTOPLED with Lens



SFH 4248

SFH 4249

SFH 4258

SFH 4259

Legend:

	Samples available earliest June 2010
	Other samples on request

Product names in red, bold letters	= respective PCN-samples include also changes as announced in OS-PCN-2009-21-A1. Please take note.
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