

Light is OSRAM



01.04.2021

Dear Customer,

please find attached our OSRAM OS PCN:

OS-PCN-2021-015-A Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B

Important information for your attention:

Please review the **Customer approval form** at the end of the document and provide your feedback to your OSRAM OS sales partner before **07.05.2021**.*)

Your prompt reply will help OSRAM OS to assure a smooth and well executed transition. If OSRAM OS does not hear from your side by the due date, we will assume your (if you are a Distributor: and your customer's) full acceptance to this proposed change and its implementation.

OSRAM OS understands the time requirements your organization needs to approve this PCN. However, if you can provide OSRAM OS an estimated date your organization will approve this PCN, OSRAM OS can use this date to plan continued production to secure your order needs during the transition time you require to review and approve this PCN.

Your attention and response to this matter is highly appreciated.

Please direct your inquiries to your local Sales office.

*) OSRAM OS aligns with the widely-recognized JEDEC STANDARD "JESD46-C", which stipulates:

- "Customers should acknowledge receipt of the PCN within 30 days of delivery of the PCN."
- "Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."
- "After acknowledgement, lack of additional response within the 90 day period constitutes acceptance of the change. An acceptance or concern response should be submitted to the supplier in a timely fashion, (i.e., customer should not wait to the end of the 90 day review period before responding, if the response is known before that time.)"

OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B

Subject of change:	Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B	
Affected products	SPL BK94-40-25-10B SPL BK98-40-25-10B SPL BK102-25-10B	
Reason for change:	Mutual agreement with customer about cost reduction.	
Description of change	Please refer to 2_cip_OS-PCN-2021-015-A	
Product identification:	Date code, lot number	
Time schedule for PCN material (after implementation of change):	Final qualification report	N.A.
	Samples available	N.A.
	Intended Start of delivery	CW 28 / 2021 ^{*)} *) or earlier if released by customer and upon mutual agreement
Assessment:	<ul style="list-style-type: none"> • No changes in design or physical data • No changes in chip performance • No changes in yield and workability • No changes in reliability 	
Documentation:	2_cip_OS-PCN-2021-015-A	

Note:

Pre-PCN material: Products of current status, means before implementation of the changes as described in the PCN.

PCN material: Products with implementation of the changes as described in the PCN.

Customer approval form

OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B

Please list product(s) affected in your application(s):

Please check the appropriate box below:

<input type="radio"/> Approval: We agree with the proposed change and accept start of the shipment upon availability of PCN material.	<input type="radio"/> Not relevant: Change is not relevant for products in use.
<input type="radio"/> Change cannot be accepted:	
<input type="radio"/> We have objections:	
<input type="radio"/> We request following Information:	
<input type="radio"/> We request following Samples:	
<input type="radio"/> Expected approval date: dd.mm.yyyy	
<input type="radio"/> Volume requirements for Pre-PCN material:	

Sender:

Company:

Address / Location:

Signature:

Date:

Please return this approval form to your Sales partner.

OSRAM Opto Semiconductors
GmbH

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OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B
Customer information package

OS QM CQM | 01.04.2021

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OS-PCN-2021-015-A

Overview

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OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B

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Reason for change

Mutual agreement with customer about cost reduction

Assessment of change

- No changes in design or physical data
- No changes in chip performance
- No changes in yield and workability
- No changes in reliability

OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B

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Affected parts





Devices
SPL BK94-40-25-10B
SPL BK98-40-25-10B
SPL BK102-25-10B

OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B



Description of change

Failure Mode	Current status	New Status	Example for New Status
Scratches at V-groove (p-side)	No damaging of V-groove edge	Scratches damaging the V-groove-edge are allowed when the material below the metallization is not visible / not damaged.	
Contamination on active area (p-side)	Max extension 50 µm	Max. extension 200 µm	
SiN on active area (p-side)	Max extension 50 µm	Max.extension. 200 µm	
Contamination within active area (facet)	0 / 25 single emitter	1 von 25 single emitter	

All others failure criteria will remain and would not be changed.

OS-PCN-2021-015-A

Change of reject criterias at visual inspection for facet and p-side for high power laser SPL BKxxx-40-25-10B



Time schedule for PCN material
(after implementation
of change):

Final qualification report

N.A.

Samples available

N.A.

Intended Start of delivery

CW 28 / 2021 *)

*) or earlier if released by customer and upon mutual agreement

Note:

Pre-PCN material: Products of current status, means before implementation of the changes as described in the PCN.

PCN material: Products with implementation of the changes as described in the PCN.

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Thank you.