

Light is OSRAM

15.12.2020

Dear Customer,

please find attached our OSRAM OS PCN:

OS-PCN-2020-007-A New Separation Technology for IR Pulsed Laser SPL PL90

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 **20.01.2021**. *)

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-2020-007-A

New Separation Technology for IR Pulsed Laser

SPL PL90

Subject of change:	New Separation Technology for IR Pulsed Laser SPL PL90	
Affected products	SPL PL90	
Reason for change:	1. Improved automatization of singulation processes 2. Additional design changes on p-side	
Description of change	Please refer of customer information package 2_cip_OS-PCN-2020-007-A	
Product identification:	Date code	
Time schedule for PCN material (after implementation of change):	Final qualification report	Available
	Long-term monitoring	March 2021
	Samples available	On request from Feb. 2021 onwards
	Intended Start of delivery	30.09.2021 ^{*)} <small>*) or earlier if released by customer and upon mutual agreement</small>
Time schedule for Pre-PCN material (prior to implementation of change):	Last time order date (LTO)	30.06.2021 ^{**)} <small>**) expected approval date needs to be available at this time. Lead time and LTO quantity shall be mutually agreed between OSRAM OS and customer.</small>
	Last time delivery date (LTD)	29.09.2021 ^{***)} <small>***) planned last date for delivery of products of current status</small>

Assessment:	No change in mechanical dimensions No change in electro-optical performance No change in reliability
Documentation:	2_cip_OS-PCN-2020-007-A 3_cip_OS-PCN-2020-007-A 4_cip_OS-PCN-2020-007-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-2020-007-A

New Separation Technology for IR Pulsed Lasers

SPL PL90

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. |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|

Change cannot be accepted:

- We have objections:**

- We request following Information:**

- We request following Samples:**

- Expected approval date:**

- 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

Head Office:
Leibnizstrasse 4
93055 Regensburg, Germany
Phone +49 941 850-5
Fax +49 941 850-1002
www.osram-os.com

OSRAM
Opto Semiconductors