



OS-PCN-2021-019-A

**Standardization of ceramic substrate
processing method for same OSRAM
OSTAR® Stage product family**

Customer information package

OS QM CQM | 15.07.2021

Light is OSRAM

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Overview



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Standardization of ceramic substrate processing method for same OSRAM OSTAR® product family



1. Reason for change

- Standardization of ceramic substrate with metallization processing method for the same OSRAM OSTAR® product family
- To ensure long term material supply on same type of ceramic substrate

Assessment:

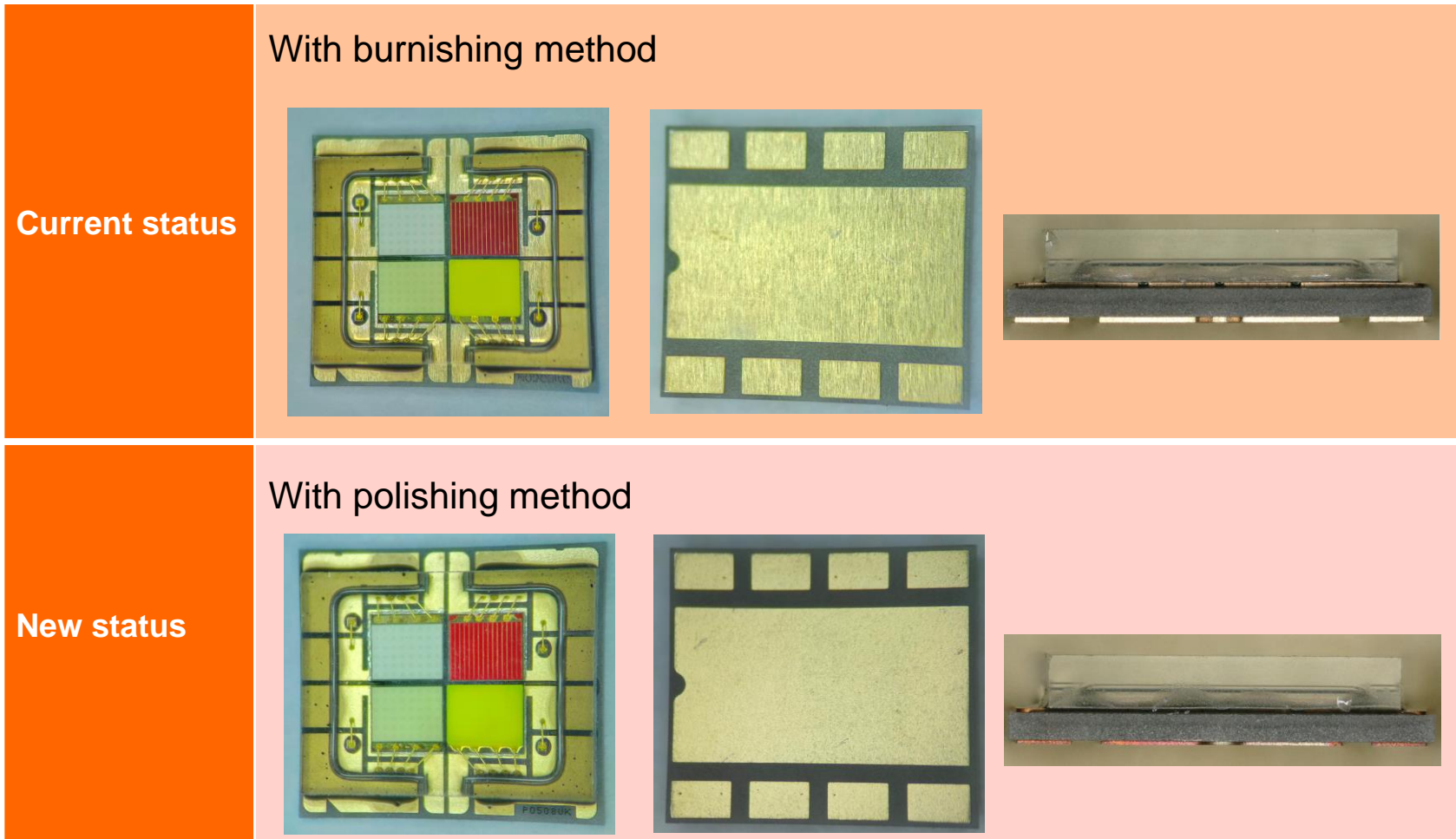
- No change in product function and reliability

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Standardization of ceramic substrate processing method for same OSRAM OSTAR® product family

QUALITY
FIRST

2. Description of change: surface finishing processes



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3. Description of change: Datasheet of LE RTDUW S2WP

	Current status	New status
Dimensional Drawing		
Total thickness	1.26 (+0.12, -0.15)	1.24 (+0.12, -0.15)
LF bottom to layer topside	0.79	0.77
LF bottom to chip topside	0.66	0.64
Ceramic with metallization	0.54 (+/-0.08)	0.52 (+/-0.08)

Note: general tolerance ± 0.1

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3. Description of change: Datasheet of LE UW S2WP

	Current status	New status
Dimensional Drawing		
Total thickness	1.26 (+0.12, -0.15)	1.24 (+0.12, -0.15)
LF bottom to layer topside	0.79	0.77
LF bottom to chip topside	0.66	0.64
Ceramic with metallization	0.54 (+/-0.08)	0.52 (+/-0.08)

Note: general tolerance ± 0.1

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2. List of affected products

OSRAM OSTAR® Stage

LE RTDUW S2WP

LE UW S2WP



PCN sample available

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Changes in the datasheets: Up-dated Datasheet Version

Fill in if applicable, otherwise delete this slide

Product type	Data sheet version before PCN	Data sheet version after PCN
LE RTDUW S2WP	1.12	1.13
LE UW S2WP	1.2	1.3

Note: After PCN approval and shipment of new material, the new data sheet versions will be valid. Latest version of data sheet is accessible on OSRAM OS homepage.

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Time schedule

for PCN material
(after implementation
of change):

Final qualification report 21.06.2021

Samples available 15.09.2021

Intended Start of delivery 01.12.2021*)

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

for Pre-PCN material
(prior to implementation
of change):

Last time order date (LTO) 09.08.2021 **)

***) expected approval date needs to be available at this time. Lead time and LTO quantity shall be mutually agreed between OSRAM OS and customer.

Last time delivery date (LTD) 30.11.2021 ***)

***) planned last date for delivery of products of current status

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.

QUALITY
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Thank you.

Light is OSRAM

15.07.2021

Dear Customer,

please find attached our OSRAM OS PCN:

OS-PCN-2021-019-A Standardization of ceramic substrate processing method for same OSRAM OSTAR® Stage product family

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 **20.08.2021**. *)

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.)"

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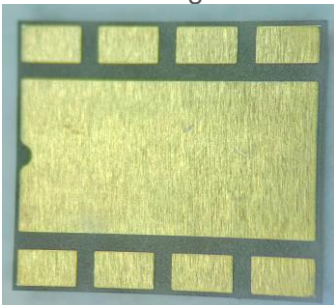
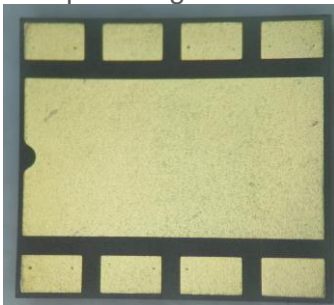
Standardization of ceramic substrate processing method for same OSRAM OSTAR® Stage product family

Subject of change: Standardization of ceramic substrate processing method for same OSRAM OSTAR® Stage product family.

Affected products LE RTDUW S2WP
LE UW S2WP

Reason for change:

- Standardization of ceramic substrate with metallization processing method for the same OSRAM OSTAR® product family
- To ensure long term material supply on same type of ceramic substrate

	<u>Current status</u>	<u>New status</u>
Description of change	<p>surface finishing processes with burnishing method</p> 	<p>surface finishing processes with polishing method</p> 

For details please refer to 2_cip_OS-PCN-2021-019-A

Product identification: Date code / Laser marking on device

Time schedule for PCN material (after implementation of change):	Final qualification report	21.06.2021
	Samples available	15.09.2021
	Intended Start of delivery	01.12.2021 ^{*)} *) or earlier if released by customer and upon mutual agreement
Time schedule for Pre-PCN material (prior to implementation of change):	Last time order date (LTO)	09.08.2021 ^{**))} ^{**) expected approval date needs to be available at this time. Lead time and LTO quantity shall be mutually agreed between OSRAM OS and customer.}
	Last time delivery date (LTD)	30.11.2021 ^{***))} ^{***) planned last date for delivery of products of current status}
Assessment:	No change in product function and reliability	
Documentation:	2_cip_OS-PCN-2021-019-A 3_cip_OS-PCN-2021-019-A_Qual	

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

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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.

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GmbH

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