

PCN

AO-PCN-2026-003-S

SFH 5721 Filter Fab Transfer

15.09.2026

Dear Customer,

Please review this **PCN** and provide your feedback in the **Customer approval form** (at the end of this PCN document) to your ams OSRAM sales partner before **15.October.2026**

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

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

Your attention and response to this matter is highly appreciated.

Please direct your inquiries to your local Sales office.

ams OSRAM aligns with the widely recognized JEDEC/ECIA/IPC Joint Standard No. 46, 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. If the customer requires additional time to perform sample testing, beyond the 90 day review period, an extension must be negotiated with the supplier.

Subject of change:	Filter Fab Transfer
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Affected products:	SFH 5721
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Reason for change:	The current filter fab site in Taiwan decided to exit the business thus, ams OSRAM Filter Fab was qualified as the new filter fab for SFH 5721.
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Description of change:	Current Status:	New Status:
	The filter fab is in Taiwan	ams OSRAM in-house filter fab was successfully qualified for SFH 5721.
	Note: The in-house filter fab in Austria was qualified many years ago and has been used for numerous ams OSRAM sensor products. Thus, risk for the new filter fab transfer is low.	

Product identification:	via Date Code
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Time schedule for PCN material: (after implementation of change):	Final qualification report:	31-August-2026
	Samples available:	August-2026

Time schedule for Pre-PCN material:	Last time order date (LTO):	LTO cannot be guaranteed on the pre-PCN material as the current filter fab abruptly stop the business.
	Last time delivery date (LTD):	LTD cannot be guaranteed on the pre-PCN material as the current filter fab abruptly stop the business.

Assessment:	The datasheet contents were updated and corrected to align with the latest filter characterization results.
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Documentation:	Customer Information Package: 2_cip_AO-PCN-2026-003-S
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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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SFH 5721 Filter Fab Transfer

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

Please check the appropriate box below:

- | | |
|--|---|
| ☐ Approval:
We agree with the proposed change and accept start of the shipment upon availability of PCN material | ☐ 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:**

☐ **Remarks:**

Sender:

Company:

Address / Location:

Signature:

Date:

Please return this approval form to your Sales partner.

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Customer information package

Roy Morta
LSP CSS-IO Key Customer Quality Management
2026-September-15

Agenda

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Reason for change

	Description
Filter Fab	The current filter fab decided to exit the business thus, ams OSRAM filter fab needs to be qualified to ensure supply chain continuity.
Datasheet	The datasheet contents were updated and corrected to align with latest filter characterization results.

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Description of change

	Current status	New status
Filter	The current filter fab is in Taiwan	The new filter fab will be the ams OSRAM in-house filter fab in Austria. Note: The in-house filter fab in Austria was qualified many years ago and has been used for numerous ams OSRAM sensor products. Thus, the risk for the new filter fab transfer is low.

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SFH 5721 Filter Fab Transfer

Changes in the datasheets of Chip LED SFH 5721

Parameter	Conditions / Description	Current status	New status	Unit
Sensitivity	$A_{\text{GAIN}} = 256$; $T_{\text{INT}} = 1600$ ms	0.00029	0.00028	lx/count
IR Leakage	% of max. response for wavelengths above 850nm	0.1	0.7	%
Field of view	Half-power angle-50% of full power reading; ref. to for specified and measured value	52	47	°
Spectral angular shift	Validated at 0° - 80° rotation angle	0.06	0.34	nm/°
Photocurrent variation for different light sources	For light source with sharp peaks in photonic range, max. variation of 10% can occur	5	10	%

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SFH 5721 Filter Fab Transfer

Changes in the datasheets of Chip LED SFH 5721

Parameter	Conditions / Description	Current status	New status	Unit
ALS output 4	$A_{\text{GAIN}} = 128$; $D_{\text{GAIN}} = 1$; $T_{\text{INT}} = 50 \text{ ms}$; $E_V = 100 \text{ lx}$	6400	6300	counts
ALS output 5	$A_{\text{GAIN}} = 256$; $D_{\text{GAIN}} = 1$; $T_{\text{INT}} = 50 \text{ ms}$; $E_V = 100 \text{ lx}$	12800	12500	counts
Sensitivity	$A_{\text{GAIN}} = 256$; $T_{\text{INT}} = 1600 \text{ ms}$	0.000052	0.000057	$[\mu\text{W}/\text{cm}^2]/\text{count}$
IR pass filter cutoff frequency		750	714	nm
Field of view	Half-power angle-50% of full power reading; ref. to for specified and measured value	63	55	°

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Changes in the datasheets of Chip LED SFH 5721

Parameter	Conditions / Description	Current status	New status	Unit
Spectral angular shift	Validated @ 30°-60° rotation angle	0.3	0.83	nm/°
IR output 4	$A_{\text{GAIN}} = 128$; $D_{\text{GAIN}} = 1$; $T_{\text{INT}} = 50 \text{ ms}$; $E_e = 10 \text{ } \mu\text{W}/\text{cm}^2$; $\lambda_c = 850 \text{ nm}$	3227	3220	counts
IR output 5	$A_{\text{GAIN}} = 128$; $D_{\text{GAIN}} = 1$; $T_{\text{INT}} = 50 \text{ ms}$; $E_e = 10 \text{ } \mu\text{W}/\text{cm}^2$; $\lambda_c = 850 \text{ nm}$	6554	6400	counts

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List of affected products

Chip LED

SFH 5721

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SFH 5721 Filter Fab Transfer

PCN Samples

Brand 1

SFH 5721

Color code:  available  on request

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Time schedule

for PCN material (<u>after</u> implementation of change):		
Final qualification report	Available	
Samples available	Yes	
Intended Start of delivery	01.10.2026 *)	*) or earlier if released by customer and upon mutual agreement

for Pre-PCN material (<u>prior to</u> implementation of change):		
Last time order date (LTO)	-	LTO cannot be guaranteed on the pre-PCN material as the current filter fab abruptly stop the business.
Last time delivery date (LTD)	-	LTD cannot be guaranteed on the pre-PCN material as the current filter fab abruptly stop the business.

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.

Sensing is life

