



Product Change Notification

CN-202411027FU01

Issue date: 13 Jun 2025

Effective date: 28 Jun 2025

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Change of die design and release of 8 inch wafer diameter for switching diodes plus datasheet update

**Change
Category**

<input checked="" type="checkbox"/> Wafer Fab Process	<input type="checkbox"/> Assembly Process	<input type="checkbox"/> Product Marking	<input type="checkbox"/> Test Location	<input checked="" type="checkbox"/> Design
<input checked="" type="checkbox"/> Wafer Fab Materials	<input type="checkbox"/> Assembly Materials	<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/> Test Process	<input type="checkbox"/> Errata
<input type="checkbox"/> Wafer Fab Location	<input type="checkbox"/> Assembly Location	<input type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/> Test Equipment	<input type="checkbox"/> Electrical spec./Test coverage

Details of this change

Reason for update: Typo in the graph "Reverse current as a function of junction temperature; typical values" in datasheet of BAW101S, BAW101S-Q and BAW101. The

unit of the Y-axis (IR) was incorrectly specified in mA and has now been corrected to μA .

Change Matrix for BAS21SW corrected, as IFSM Graph has not been changed for this type.

The following changes are affected: - New die design - the passivation nitride thickness and the EPI layer concentration have been slightly modified to improve processing robustness - change from 6 inch to 8 inch - change of lithography from full field lithography to stepper lithography - Datasheet update - (see SQR for details)

CN-202411027F_changeMatrix.xlsx: https://qcm.nexperia.com/Document/DOC-596077/CN-202411027F_changeMatrix.xlsx

SQR_CN_202411027FU01.pdf: https://qcm.nexperia.com/Document/DOC-596046/SQR_CN_202411027FU01.pdf

Datasheet_CN-202411027FU01.zip: https://qcm.nexperia.com/Document/DOC-596045/Datasheet_CN-202411027FU01.zip

PCN-FORM-Rev_CN-202411027F.xlsm: https://qcm.nexperia.com/Document/DOC-590494/PCN-FORM-Rev_CN-202411027F.xlsm

ChemicalContents_CN-202411027F_20250303.zip:
https://qcm.nexperia.com/Document/DOC-590445/ChemicalContents_CN-202411027F_20250303.zip

PCN-Delta-Qualification-Matrix-CN-202411027F.xlsm:
<https://qcm.nexperia.com/Document/DOC-590157/PCN-Delta-Qualification-Matrix-CN-202411027F.xlsm>

Why do we implement this change?

Improve processing robustness - Increase of production capacity

Identification of affected products

Changed products can be identified by date code after implementation.

Product availability

Production

Planned first shipment: 24 Jun 2025

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

A new datasheet will be issued

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 23 Jun 2025. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Update history

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Contact and support

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.

For specific questions on this notice or the products affected please contact our specialist directly: pcn@nexperia.com

In case of distribution, please contact your distribution partner.

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