

Product/process change notification

PCN N° 2025-085-A

Dear customer,

Please find attached our Infineon Technologies AG PCN:

Introduction of an additional wafer production site with 12" wafer diameter for 1200V IGBT3 (E3) technology

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **2025-12-02**
- Infineon aligns with the widely recognized JEDEC STANDARD "JESD46", which stipulates: **"Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."**

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

Your attention and response to this matter is greatly appreciated.

Infineon Technologies AG

Postal address D-81726 München Internet www.infineon.com Headquarters Am Campeon 1-15, D-85579 Neubiberg Phone +49 (0)89 234-0

Chairman of the Supervisory Board Dr. Herbert Diess

Management Board Jochen Hanebeck (CEO), Alexander Gorski, Elke Reichart, Dr. Sven Schneider, Andreas Urschitz

Registered office Neubiberg Commercial register Amtsgericht München HRB 126492

Product/process change notification

PCN N° 2025-085-A

- Products affected

Please refer to attached affected product list
PCN_2025-085-A_[customer-no].pdf

- Detailed change information

Subject	Introduction of an additional wafer production site with 12" wafer diameter for 1200V IGBT3 (E3) technology	
Reason	Capacity extension and increasing security of supply 1200V IGBT3 (E3) technology	
Description	<u>Old</u>	<u>New</u>
	8 inch: Infineon Technologies Austria AG, Villach, Austria Or 8 inch: Infineon Technologies (Kulim) sdn. Bhd., Kulim, Malaysia Or 8 inch: FE, Hsinchu, Taiwan (dedicated module types)	8 inch: Infineon Technologies Austria AG, Villach, Austria Or 8 inch: Infineon Technologies (Kulim) sdn. Bhd., Kulim, Malaysia Or 8 inch: FE, Hsinchu, Taiwan (dedicated module types) Or 12 inch: Infineon Technologies Austria AG, Villach, Austria Target production site: 12 inch: Infineon Technologies Austria AG, Villach, Austria

- Product identification

Individual production lot number

- Impact of change

No impact on electrical and thermal performance. Quality and reliability verified by qualification. There is no change in form, fit and function. Parallel delivery is possible during the transition period.

Product/process change notification

PCN N° 2025-085-A

- Attachments

PCN_2025-085-A_[customer-no].pdf	affected product list
2_cip25085_A.pdf	product qualification report

- Time schedule

- | | |
|------------------------------|---|
| - Final qualification report | available |
| - First samples available | on request |
| - Intended start of delivery | 2026-02-01 depending on customer approval |

If you have any questions, please do not hesitate to contact your local sales office.

PCN 2025-085-A



Introduction of an additional wafer production site with 12" wafer diameter for 1200V IGBT3 (E3) technology

Sales name	SP number	OPN	Package	Customer part number
DF400R12KE3	SP000100792	DF400R12KE3HOSA1	AG-62MMHB	DF400R12KE3HOSA1
FD300R12KE3	SP000083496	FD300R12KE3HOSA1	AG-62MMHB	FD300R12KE3HOSA1
FF150R12KE3G	SP000100740	FF150R12KE3GHOSA1	AG-62MMHB	FF150R12KE3GHOSA1
FF200R12KE3	SP000100735	FF200R12KE3HOSA1	AG-62MMHB	FF200R12KE3HOSA1
FF300R12KE3	SP000100736	FF300R12KE3HOSA1	AG-62MMHB	FF300R12KE3HOSA1
FF400R12KE3	SP000100781	FF400R12KE3HOSA1	AG-62MMHB	FF400R12KE3HOSA1
FP25R12KE3	SP005422386	FP25R12KE3BPSA1	AG-ECONO2C	FP25R12KE3BPSA1
FP40R12KE3	SP005422322	FP40R12KE3BPSA1	AG-ECONO2C	FP40R12KE3BPSA1
FP50R12KE3	SP000101740	FP50R12KE3BOSA1	AG-ECONO3B	FP50R12KE3BOSA1
FP75R12KE3	SP000100415	FP75R12KE3BOSA1	AG-ECONO3B	FP75R12KE3BOSA1
FS100R12KE3	SP000100416	FS100R12KE3BOSA1	AG-ECONO3B	FS100R12KE3BOSA1
FS150R12KE3	SP000100417	FS150R12KE3BOSA1	AG-ECONO3B	FS150R12KE3BOSA1
FS300R12KE3	SP000100405	FS300R12KE3BOSA1	AG-ECONOPP	FS300R12KE3BOSA1
FS35R12KE3G	SP005422388	FS35R12KE3GBPSA1	AG-ECONO2B	FS35R12KE3GBPSA1
FS450R12KE3	SP000014915	FS450R12KE3BOSA1	AG-ECONOPP	FS450R12KE3BOSA1
FS50R12KE3	SP005422390	FS50R12KE3BPSA1	AG-ECONO2B	FS50R12KE3BPSA1
FS75R12KE3	SP005422392	FS75R12KE3BPSA1	AG-ECONO2B	FS75R12KE3BPSA1
FS75R12KE3G	SP000100418	FS75R12KE3GBOSA1	AG-ECONO3B	FS75R12KE3GBOSA1
FZ400R12KE3B1	SP000100738	FZ400R12KE3B1HOSA1	AG-62MMES	FZ400R12KE3B1HOSA1

Product Qualification Report

产品质量和可靠性鉴定报告

PCN N° 2025-85-A

Introduction of an additional wafer production site with 12" wafer diameter for 1200V IGBT3 (E3) technology

Description

This product qualification report describes the characteristics of the product with respect to quality and reliability. 该鉴定报告描述了关于质量和可靠性方面的产品特性。

The qualification sample selection was done on production lots which were manufactured and tested on standard production processes and meet the defined requirements.

用于鉴定的样本采自常规的产线批次，这些批次的产出需经过标准的制造和测试工艺流程并且符合所定义的规范要求。

The qualification test results of those products as outlined in this document are based on **IEC standards** for target applications and may reference existing qualification results of similar products. Such referencing is justified by the structural similarity of the products.

本文中所概述的产品质量和可靠性测试结果是基于符合目标应用所对应的IEC标准，并且可能参考类似产品所现有的鉴定测试结果。该参考的实行是基于对产品之间的结构相似性的证明。

Qualification Assessment

Qualified according to **IEC Standard** and assessed as PASS

鉴定评估结果

依照IEC标准，鉴定评估结果合格。

For further information about comparable products, please contact the nearest Infineon Technologies office (www.infineon.com).

有关同类产品的进一步信息，请向就近的英飞凌办事处联系咨询。(www.infineon.com).

PCN N° 2025-85-A



Introduction of an additional wafer production site with 12" wafer diameter for 1200V IGBT3 (E3) technology
Packages in scope: 62mm, EconoDUAL™, EconoPACK+™

Test Description 测试项描述	Abbr. 测试项缩写	Condition 测试条件	Devices 样本数量	Result 测试结果
High Temperature Reverse Bias IEC 60747-9 *)	HTRB	1000 h $V_{CE} = 0,9 \times V_{CES} \text{ (DC)}$ $T_{vj} = T_{vj,op,max}$	≥ 72 dies	PASS
High Temperature Gate Bias IEC 60747-9 *)	HTGB	1000 h $V_{GE} = -20 \text{ V} / +20 \text{ V (DC)}$ $T_a = T_{vj,op,max}$	≥ 72 dies	PASS
High Humidity High Temperature Reverse Bias IEC 60747-5 *)	H3TRB	1000 h $T_a = 85 \text{ °C}; RH = 85 \%$ $V_{CE} = 80 \text{ V (DC)}$	≥ 72 dies	PASS
Power Cycling [sec.] IEC 60749-5 *)	PC	100.000 Cycles $\Delta T_{vj} = 80 \text{ K}$ $T_{vj} = 150 \text{ °C}$	≥ 6 modules	PASS

Notes:

*) Standards are taken as a reference; slight variations from the standards according to Infineon regulations may occur.

The reported tests in this document are explicitly addressing the change communicated by PCN. The Product Qualification Report of the individual product type remains valid.

注释:

*) 标准的采用作为参考; 英飞凌的规范较国际标准可能会出现轻微差异。

Click or tap here to enter text.

Trademarks

All referenced product or service names and trademarks are the property of their respective owners.

注册商标

所有被引用的产品或者服务名称以及注册商标均属其各自拥有者的资产。

Edition «ChangeDate»

Published by

Infineon Technologies AG
81726 München, Germany

© 2025 Infineon Technologies AG.
All Rights Reserved.

Do you have a question about this document?

Email: erratum@infineon.com

Document reference

n.a.

版本 «ChangeDate»

发表于

英飞凌科技股份有限公司
81726 慕尼黑, 德国

© 2025 英飞凌科技股份有限公司
版权所有。

关于本文如有任何疑问, 请联系下列邮箱地址

Email: erratum@infineon.com

参考文献

无

IMPORTANT NOTICE

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffenheitsgarantie").

With respect to any examples, hints or any typical values stated herein and/or any information regarding the application of the product, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

In addition, any information given in this document is subject to customer's compliance with its obligations stated in this document and any applicable legal requirements, norms and standards concerning customer's products and any use of the product of Infineon Technologies in customer's applications.

The data contained in this document is exclusively intended for technically trained staff. It is the responsibility of customer's technical departments to evaluate the suitability of the product for the intended application and the completeness of the product information given in this document with respect to such application.

重要声明

在任何情况下, 本文件中提供的信息都不应被视为任何条件或特征的保证。

对于本协议中所述的任何示例、提示或任何典型值以及/或任何有关产品应用的信息, 英飞凌科技股份有限公司(以下简称“英飞凌科技”)在此不承担任何及所有诸如此类的保证和责任, 包括但不限于对不侵犯任何第三方单位的知识产权的保证。

此外, 本文件中提供的任何信息均应以客户遵守本文件中规定的义务为前提, 包括有关客户产品和任何使用英飞凌科技产品的客户应用所适用的任何合法要求、规范 and 标准。

本文件所包含的数据专供受过技术培训的工作人员使用。客户的技术部门有责任评估产品是否适合预期的应用, 以及本文件中提供的与该应用相关的产品信息是否完整。

For further information on the product, technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies office (www.infineon.com).

WARNINGS

Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies' products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.

有关产品、技术、交货条款和价格的进一步信息, 请与离您最近的英飞凌科技办事处取得联系 (www.infineon.com).

警告

由于技术要求, 产品可能含有危险物质。如需了解有关产品型号的信息, 请与离您最近的英飞凌科技办事处取得联系。

除非获得已被英飞凌科技授权的代表的书面签署确认, 且经英飞凌科技明确批准, 英飞凌科技的产品不得用于任何由于产品失效或因其使用后果可能导致人身伤害的应用场合。

Product/process change notification

PCN N° 2025-085-A

Customer approval form

Introduction of an additional wafer production site with 12" wafer diameter for 1200V IGBT3 (E3) technology

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

Please check the appropriate box below:

☐ We agree with this proposed change and its schedule.

☐ We have objections:

☐ We need more information:

☐ We need samples:

Sender

Company:

Name:

Address/location:

E-Mail:

Telephone:

Signature

Date:

Product/process change notification

PCN N° 2025-085-A

Please return to your sales partner:

Company: Infineon Technologies AG

Name:

Address/Location:

E-mail:

Telephone: