

Final Product Change Notification

202008004F01

Issue Date: 01-Oct-2020
Effective Date: 12-Jan-2021

Here's your personalized quality information concerning products Digi-Key purchased from Nexperia.
 For detailed information we invite you to view this notification online



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 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 |

Release of 8 inch wafer diameter for PMEG40xxEPK

Details of this Change

Release of production using 8 inch wafer diameter for 40 V, low VF MEGA Schottky barrier rectifiers PMEG40xxEPK in SOD1608 package.

Old products: Production using 6 inch wafer diameter
 Changed products: Production using 6 and 8 inch wafer diameter

Why do we Implement this Change

- Capacity expansion in wafer fab
- Next phase in 8 inch release after start with 8 inch implementation in 2010
- Continued alignment with world technology trends on state of the art production tools for discrete components
- Increased flexibility and volume ramp-up

Identification of Affected Products

The 8 inch products can be identified by a marker on the die surface.

Product Availability

Sample Information

Samples are available upon request

Latest sample request date for PCN samples is 30-Oct-2020

Production

Planned first shipment 12-Jan-2021

Impact

No impact to the products' functionality anticipated.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Supply using 6 inch wafer will be continued in parallel to 8 inch wafer production.

Related Notifications

Notification	Issue Date	Effective Date	Title
201807002F01U01	03-Oct-2018	11-Jan-2019	Release of 8 inch wafer diameter for PMEG4010EPK

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 30-Oct-2020. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact Nexperia "Global Quality Support Team".

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:

e-mail address PCN-Bipolar.Discretetes@nexperia.com

At Nexperia B.V. we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
PMEG4020EPK,315	934066738315	PMEG4020EPK	Schottky Diode	SOD1608	SOD1608	RFS	Bipolar Discretes
PMEG4015EPK,315	934065385315	PMEG4015EPK	Schottky Diode	SOD1608	SOD1608	RFS	Bipolar Discretes
PMEG4005EPK,315	934065383315	PMEG4005EPK	Schottky Diode	SOD1608	SOD1608	RFS	Bipolar Discretes