



Product Change Notification



Product Group: Vishay Siliconix/May 23, 2014/PCN-SIL-0692014 Rev 0
November 5, 2015/PCN-SIL-0692014 Rev 1

Qualification of ASE as an Additional Assembly Site of DPAK Commercial Power Mosfets (Revision 1, Parts list amended)

DESCRIPTION OF CHANGE: Vishay Siliconix would like to announce the approval of Advanced Semiconductor Engineering (ASE) plant located in Weihai, China as an additional assembly facility for DPAK, MOSFET devices.

ASE Weihai has provided world-class total manufacturing services since Q1 2008, and has received international quality systems and environmental compliance certifications TS16949, ISO9001, ISO14001 and OSHAS 18001.

This facility will join the current Vishay-Siliconix qualified facilities, in providing additional capacity for MOSFETs built in the DPAK package. The manufacturing process to be used in ASE will be similar to that used in the Xi'an facility. No electrical or mechanical changes in the device are expected.

PCN-SIL-0692014 Rev 1 includes parts using larger die size not qualified for production in Rev 0. Table "Amended List (PCN, rev 1)" provides the list of approved parts, now qualified for assembly in ASE. Qualification results are available upon request.

CLASSIFICATION OF CHANGE: Manufacturing Expansion

REASON FOR CHANGE: Increased capacity, additional source.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: None

PRODUCT CATEGORY: MOSFET

PART NUMBERS/SERIES/FAMILIES AFFECTED: Refer to list of active part numbers included with this PCN

VISHAY BRAND(s): Vishay-Siliconix

TIME SCHEDULE: Shipment of production volumes will begin August 23, 2014.

Shipment of production volumes for parts listed in the amended table will begin February 8, 2016.

SAMPLE AVAILABILITY: Please refer to the list below for the parts that will be built for sampling to customers. Please contact your regional Vishay Sales office for sample ordering.

PRODUCT IDENTIFICATION: DPAK products manufactured in ASE will have part marking in the form of **N46K** where the **N** is the factory designator for ASE.

QUALIFICATION DATA: Please contact your local sales office for a copy of the qualification report.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before August 23, 2014 or as specified by contract.

Concerns for parts listed in the amended table must be received by February 8, 2016.

ISSUED BY: Don Larson, Vishay Siliconix, Technical Marketing Manager.

E-mail address: Don.Larson@Vishay.com

For further information, please contact your regional Vishay office.

The Americas

Vishay Americas
2201 Laurelwood Road
Santa Clara, Ca 95054
T: 408-988-8000
F: 408-567-8500

Europe

Vishay Electronic GmbH
Dr.-Felix-Zandman-Platz 1
D-95100
Selb, Germany
T: 49-9287-71 -0
F: 49-9287-70435

Asia

Vishay Intertechnology Asia Pte.
Ltd
37A Tampines Street 92
#07-00 Keppel Building
Singapore 528886
T: 65-6788-6668
F: 65-6788-0988

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com



Product Change Notification



Product Group: Vishay Siliconix/May 23, 2014/PCN-SIL-0692014 Rev 0
November 5, 2015/PCN-SIL-0692014 Rev 1

Affected Parts

Part Number				
IRFR010PBF	IRFR210PBF	IRFR310TRLPBF	IRFR9110TRLPBF	IRLR120TRPBF
IRFR010TRLPBF	IRFR210TRLPBF	IRFR310TRPBF	IRFR9110TRPBF	IRLR120TRRPBF
IRFR010TRPBF	IRFR210TRPBF	IRFR420APBF	IRFR9210PBF	SIHD3N50D-E3
IRFR014PBF	IRFR210TRRPBF	IRFR420ATRLPBF	IRFR9210TRLPBF	SIHD3N50D-GE3
IRFR014TRLPBF	IRFR214PBF	IRFR420ATRPBF	IRFR9210TRPBF	SIHFR014TR-GE3
IRFR014TRPBF	IRFR214TRLPBF	IRFR420PBF	IRFR9214PBF	SIHFR110TR-GE3
IRFR110PBF	IRFR214TRPBF	IRFR420TRLPBF	IRFR9214TRLPBF	SIHFR120TR-GE3
IRFR110TRLPBF	IRFR214TRRPBF	IRFR420TRPBF	IRFR9214TRPBF	SIHFR1N60ATRL-GE3
IRFR110TRPBF	IRFR220PBF	IRFR420TRRPBF	IRLR014PBF	SIHFR214-GE3
IRFR120PBF	IRFR220TRLPBF	IRFR9010PBF	IRLR014TRLPBF	SIHFR214TRL-GE3
IRFR120TRLPBF	IRFR220TRPBF	IRFR9010TRLPBF	IRLR014TRPBF	SIHFR310TR-GE3
IRFR120TRPBF	IRFR220TRRPBF	IRFR9010TRPBF	IRLR110PBF	SIHFR9014TR-GE3
IRFR120TRRPBF	IRFR224PBF	IRFR9014PBF	IRLR110TRLPBF	SIHFR9110TR-GE3
IRFR1N60APBF	IRFR224TRLPBF	IRFR9014TRLPBF	IRLR110TRPBF	SIHFR9214-GE3
IRFR1N60ATRLPBF	IRFR224TRPBF	IRFR9014TRPBF	IRLR120PBF	
IRFR1N60ATRPBF	IRFR310PBF	IRFR9110PBF	IRLR120TRLPBF	

Samples

The following parts are planned to be built for sampling:

Part Number
IRFR420TRPBF
IRFR210TRPBF
IRFR9014TRPBF
IRFR9210TRPBF
IRFR310TRPBF
IRFR120TRPBF

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



Product Change Notification



Product Group: Vishay Siliconix/May 23, 2014/PCN-SIL-0692014 Rev 0
November 5, 2015/PCN-SIL-0692014 Rev 1

Amended List (PCN Rev 1)

Part Number				
94-2424PBF	IRFR9220TRRPBF	SIHFR014TRL-GE3	SIHFR420A-E3	SIHFR9120TR-GE3
IRFR010TRRPBF	IRFR9310PBF	SIHFR020-GE3	SIHFR420A-GE3	SIHFR9120TRL-GE3
IRFR014TRRPBF	IRFR9310TRLPBF	SIHFR020TR-GE3	SIHFR420AT-E3	SIHFR9210-GE3
IRFR020TRLPBF	IRFR9310TRPBF	SIHFR024-GE3	SIHFR420ATR-GE3	SIHFR9210-T3-E3
IRFR020TRPBF	IRFRC20PBF	SIHFR024TR-GE3	SIHFR420ATRL-GE3	SIHFR9210TR-GE3
IRFR020TRRPBF	IRFRC20TRLPBF	SIHFR024TRL-GE3	SIHFR420-E3	SIHFR9214TR-GE3
IRFR024PBF	IRFRC20TRPBF	SIHFR110-GE3	SIHFR420-GE3	SIHFR9214TRL-GE3
IRFR024TRLPBF	IRFRC20TRRPBF	SIHFR110TRL-GE3	SIHFR420T-E3	SIHFR9220-GE3
IRFR024TRPBF	IRLR024PBF	SIHFR110TRR-GE3	SIHFR420TL-E3	SIHFR9220TR-GE3
IRFR024TRRPBF	IRLR024TRLPBF	SIHFR120-GE3	SIHFR420TR-E3	SIHFR9220TRL-GE3
IRFR224TRRPBF	IRLR024TRPBF	SIHFR120TRL-GE3	SIHFR420TR-GE3	SIHFR9220TRR-GE3
IRFR320PBF	SIHD12N50E-GE3	SIHFR120TRR-GE3	SIHFR420TRL-GE3	SIHFR9310-GE3
IRFR320TRLPBF	SIHD3N50DT1-GE3	SIHFR1N60A-GE3	SIHFR420TRR-GE3	SIHFR9310TR-GE3
IRFR320TRPBF	SIHD3N50DT4-GE3	SIHFR1N60ATR-GE3	SIHFR430A-GE3	SIHFR9310TRL-GE3
IRFR320TRRPBF	SIHD3N50DT5-GE3	SIHFR1N60ATRR-GE3	SIHFR430ATR-GE3	SIHFR9310TRR-GE3
IRFR430APBF	SIHD5N50D-E3	SIHFR210-GE3	SIHFR430ATRL-GE3	SIHFR20-GE3
IRFR430ATRLPBF	SIHD5N50D-GE3	SIHFR210TRL-GE3	SIHFR430ATRR-GE3	SIHFR20TR-GE3
IRFR430ATRPBF	SIHD5N50DT1-GE3	SIHFR210TRR-GE3	SIHFR9010-GE3	SIHFR20TRL-GE3
IRFR9020PBF	SIHD5N50DT4-GE3	SIHFR214TR-GE3	SIHFR9010TR-GE3	SIHFR20TRR-GE3
IRFR9020TRLPBF	SIHD5N50DT5-GE3	SIHFR214TRR-GE3	SIHFR9010TRL-GE3	SIHLR014-GE3
IRFR9020TRPBF	SIHD6N62E-GE3	SIHFR220-GE3	SIHFR9014-GE3	SIHLR014TRL-GE3
IRFR9024PBF	SIHD6N65E-GE3	SIHFR220TRL-GE3	SIHFR9014TRL-GE3	SIHLR024TR-GE3
IRFR9024TRLPBF	SIHD7N60E-E3	SIHFR224-GE3	SIHFR9020-GE3	SIHLR024TRL-GE3
IRFR9024TRPBF	SIHD7N60E-GE3	SIHFR224TR-GE3	SIHFR9020TR-GE3	SIHLR110-GE3
IRFR9110TRRPBF	SIHD7N60ET1-GE3	SIHFR224TRL-GE3	SIHFR9020TRL-GE3	SIHLR110TR-GE3
IRFR9120PBF	SIHD7N60ET4-GE3	SIHFR310-GE3	SIHFR9024-GE3	SIHLR120-GE3
IRFR9120TRLPBF	SIHD7N60ET5-GE3	SIHFR310TRL-GE3	SIHFR9024TR-GE3	SIHLR120TR-GE3
IRFR9120TRPBF	SIHFR010-GE3	SIHFR310TRR-GE3	SIHFR9024TRL-GE3	SIHLR120TRL-GE3
IRFR9120TRRPBF	SIHFR010TR-GE3	SIHFR320-GE3	SIHFR9024TRR-GE3	SIHLR120TRR-GE3
IRFR9220PBF	SIHFR010TRL-GE3	SIHFR320TR-E3	SIHFR9110-GE3	
IRFR9220TRLPBF	SIHFR014-E3	SIHFR320TR-GE3	SIHFR9110TRL-GE3	
IRFR9220TRPBF	SIHFR014-GE3	SIHFR320TRL-GE3	SIHFR9120-GE3	

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT