



Product Change Notification



Product Group: Vishay Siliconix/January 13, 2017/PCN-SIL-0012017 Rev 0

Qualification of ASE as an Additional Assembly Site of Commercial High Voltage Power Mosfets

DESCRIPTION OF CHANGE: Vishay Siliconix would like to announce the qualification of Advanced Semiconductor Engineering (ASE) plant located in Weihai, China as an additional assembly and test facility for the Power MOSFET devices listed in table 1 assembled in the TO220 package. This is the 3rd phase of qualification of High Voltage products in TO220 at ASE.

ASE has been a leading backend manufacturing company since 2003; The Weihai facility has provided world-class total manufacturing services for discrete MOSFETs since 2008. Vishay-Siliconix has been a partner with the ASE Weihai facility since 2013. This qualification now adds the IPAK to other Vishay Siliconix commercial Power MOSFET packages supplied by ASE such as TO220, DPAK and SOT223. The manufacturing process to be used in ASE is similar to that used in the Vishay Xi'an facility from which this package is currently manufactured.

ASE has received international quality systems and environmental compliance certifications including TS16949, ISO9001, ISO14001 and OSHAS 18001.

CLASSIFICATION OF CHANGE: Manufacturing Capacity Expansion

REASON FOR CHANGE: Additional assembly and test capacity

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: None

PRODUCT CATEGORY: Commercial High Voltage Power MOSFETs

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 April 13, 2017.

SAMPLE AVAILABILITY: Samples will be built per request. Please contact your regional Vishay Sales office for sample ordering.

PRODUCT IDENTIFICATION: TO220 products manufactured in ASE will have part marking in the form of **N73K** 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 April 13, 2017 or as specified by contract.

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

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Table 1. Affected Parts*

Part Numbers			
94-2608PBF	IRL540PBF	SIHP14N50D-GE3	SIHP24N65EF-GE3
94-4892PBF	IRL640PBF	SIHP14N60E-GE3	SIHP24N65E-GE3
IRF540PBF	IRLZ44PBF	SIHP15N50E-GE3	SIHP25N40D-E3
IRF9540PBF	SIHF530-GE3	SIHP15N60E-E3	SIHP25N40D-GE3
IRFB11N50APBF	SIHF540-E3	SIHP15N60E-GE3	SIHP25N50E-GE3
IRFB13N50APBF	SIHF644-E3	SIHP15N65E-GE3	SIHP25N60EFL-GE3
IRFB17N50LPBF	SIHF644-GE3	SIHP16N50C-E3	SIHP28N60EF-GE3
IRFB18N50KPBF	SIHF830A-E3	SIHP17N60D-E3	SIHP28N65EF-GE3
IRFB20N50KPBF	SIHF830-E3	SIHP17N60D-GE3	SIHP28N65E-GE3
IRFB9N60APBF	SIHF840A-E3	SIHP18N50C-E3	SIHP30N60E-E3
IRFB9N65APBF	SIHF840-E3	SIHP18N60E-GE3	SIHP30N60E-GE3
IRFBC40APBF	SIHF9Z30-E3	SIHP20N50E-GE3	SIHP33N60E-E3
IRFBC40LCPBF	SIHFB11N50A-E3	SIHP21N60EF-GE3	SIHP33N60EF-GE3
IRFBC40PBF	SIHFB18N50K-E3	SIHP21N65EF-GE3	SIHP33N60E-GE3
IRFBE30PBF	SIHFB20N50K-E3	SIHP22N60AE-GE3	SIHP35N60E-GE3
IRFBF30PBF	SIHFBC40A-E3	SIHP22N60E-E3	SIHP38N60E-GE3
IRFBG30PBF	SIHFZ20-E3	SIHP22N60E-GE3	SIHP6N65E-GE3
IRFZ40PBF	SIHP12N50E-GE3	SIHP22N60EL-GE3	SIHP7N60E-E3
IRFZ44PBF	SIHP12N60E-E3	SIHP22N60S-E3	SIHP7N60E-GE3
IRFZ44RPBF	SIHP12N60E-GE3	SIHP22N65E-GE3	
IRFZ48PBF	SIHP12N65E-GE3	SIHP23N60E-GE3	
IRFZ48RPBF	SIHP14N50D-E3	SIHP24N65E-E3	

*For a list of parts currently approved for assembly in TO220 at ASE please reference PCN-SIL-0102014 ASE Alternate Source for Assembly of TO220 amended1.

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