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Passivation Improvement and Back Metal Capacity Expansion for Commercial Power MOSFETs - HVM

For further information, please contact your regional Vishay office.

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Description of Change: Vishay Siliconix is standardizing the passivation to HVM Planar GEN3 portfolio at Newport foundry to improve production efficiency. Previously, both 10K PSG and 2K LTO + 12K PSG have been used on different part types, from July 20, 2026, the standard process will be "2K LTO + 12K PSG".

In parallel, Vishay Siliconix is expanding BGBM capacity at Vishay Newport site from existing in-house Vishay Simconix Shanghai and Vishay Siliconix Philippines sites.

Reason for Change: Production efficiency improvement and capacity expansion

Expected Influence on Quality/Reliability/Performance: There will be no effect on the quality, reliability, or performance. There will be no changes in minimum and maximum values on the datasheet parameters.

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay Siliconix

Time Schedule:

Start Shipment Date: Monday July 20, 2026

Sample Availability: PCN samples are available upon request

Product Identification: No change on product ordering

Qualification Data: Qualification results are available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Friday July 17, 2026 or as specified by contract.

Issued By: Michael Hsieh, michael.hsieh@vishay.com



Product Change Notification



Product Group: SIL/Friday May 15, 2026/PCN-SIL-035-2026-REV-0

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94-2574PBF	IRF634PBF	IRF634STRLPBF	IRF634STRRPBF	IRF640PBF
IRF640PBF-BE3	IRF640SPBF	IRF640STRLPBF	IRF640STRRPBF	IRF730PBF
IRF730PBF-BE3	IRF730SPBF	IRF730STRLPBF	IRF730STRRPBF	IRF740ALPBF
IRF740APBF	IRF740APBF-BE3	IRF740ASPBF	IRF740ASTRLPBF	IRF740ASTRRPBF
IRF740LCPBF	IRF740LCPBF-BE3	IRF740PBF	IRF740PBF-BE3	IRF740SPBF
IRF740STRLPBF	IRF740STRRPBF	IRF820LPBF	IRF820PBF	IRF820PBF-BE3
IRF820STRLPBF	IRF820STRRPBF	IRF830LPBF	IRF830PBF	IRF830PBF-BE3
IRF830SPBF	IRF830STRLPBF	IRF840ALPBF	IRF840APBF	IRF840APBF-BE3
IRF840ASPBF	IRF840ASTRLPBF	IRF840ASTRRPBF	IRF840LCLPBF	IRF840LCPBF
IRF840LCPBF-BE3	IRF840LCPBF	IRF840LCSTRRPBF	IRF840LPBF	IRF840PBF
IRF840PBF-BE3	IRF840SPBF	IRF840STRLPBF	IRF840STRRPBF	IRF9520PBF
IRF9520PBF-BE3	IRF9520SPBF	IRF9520STRLPBF	IRF9520STRRPBF	IRF9540PBF
IRF9540PBF-BE3	IRF9540SPBF	IRF9540STRLPBF	IRF9540STRRPBF	IRF9640LPBF
IRF9640PBF	IRF9640PBF-BE3	IRF9640SPBF	IRF9640STRLPBF	IRF9640STRRPBF
IRF9Z10PBF	IRF9Z10PBF-BE3	IRF9Z14LPBF	IRF9Z14PBF	IRF9Z14PBF-BE3
IRF9Z14SPBF	IRF9Z14STRLPBF	IRF9Z14STRRPBF	IRFBC20PBF	IRFBC20PBF-BE3
IRFBC20SPBF	IRFBC20STRLPBF	IRFBF20LPBF	IRFBF20PBF	IRFBF20PBF-BE3
IRFBF20SPBF	IRFBF20STRLPBF	IRFBF20STRRPBF	IRFBG30PBF	IRFBG30PBF-BE3
IRFC110B	IRFC264B	IRFC360B	IRFC37N50AB	IRFC450B
IRFC460AB	IRFC460LCB	IRFC634B	IRFC730B	IRFC830B
IRFC840AB	IRFC840B	IRFC9014B	IRFC9120B	IRFC9140B
IRFC9640B	IRFCC50B	IRFI510GPBF	IRFI640GPBF	IRFI730GPBF
IRFI840GLCPBF	IRFI9520GPBF	IRFI9540GPBF	IRFI9Z14GPBF	IRFIBC20GPBF
IRFIBF20GPBF	IRFL110TRPBF	IRFL110TRPBF-BE3	IRFL9014TRPBF	IRFL9014TRPBF-BE3
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IRFR9010TRPBF	IRFR9014PBF	IRFR9014PBF-BE3	IRFR9014TRLPBF	IRFR9014TRPBF
IRFR9014TRPBF-BE3	IRFR9120PBF	IRFR9120PBF-BE3	IRFR9120TRLPBF	IRFR9120TRLPBF-BE3
IRFR9120TRPBF	IRFR9120TRRPBF	IRFRC20PBF	IRFRC20PBF-BE3	IRFRC20TRLPBF
IRFRC20TRLPBF-BE3	IRFRC20TRPBF	IRFRC20TRPBF-BE3	IRFRC20TRRPBF	IRFU110PBF
IRFU420PBF	IRFU9010PBF	IRFU9014PBF	IRFU9120PBF	IRFUC20PBF
SIHF634S-GE3	SIHF634STRR-GE3	SIHF640L-GE3	SIHF640S-GE3	SIHF640STRL-GE3
SIHF640STRR-GE3	SIHF730S-GE3	SIHF730STRL-GE3	SIHF730STRR-GE3	SIHF740AL-GE3
SIHF740AS-GE3	SIHF740ASTRL-GE3	SIHF740ASTRR-GE3	SIHF740S-GE3	SIHF740STRL-GE3
SIHF740STRR-GE3	SIHF820L-GE3	SIHF820STRL-GE3	SIHF820STRR-GE3	SIHF830L-GE3
SIHF830S-GE3	SIHF830STRL-GE3	SIHF840AL-GE3	SIHF840AS-GE3	SIHF840ASTRL-GE3
SIHF840ASTRR-GE3	SIHF840LCL-GE3	SIHF840LCS-GE3	SIHF840L-GE3	SIHF840S-GE3
SIHF840STRL-GE3	SIHF840STRR-GE3	SIHF9520S-GE3	SIHF9520STRL-GE3	SIHF9520STRR-GE3
SIHF9540S-GE3	SIHF9540STRL-GE3	SIHF9640L-GE3	SIHF9640S-GE3	SIHF9640STRL-GE3
SIHF9640STRR-GE3	SIHF9Z14L-GE3	SIHF9Z14S-GE3	SIHF9Z14STRL-GE3	SIHFBC20L-GE3
SIHFBC20S-GE3	SIHFBC20STRL-GE3	SIHFBF20L-GE3	SIHFBF20S-GE3	SIHFBF20STRL-GE3
SIHFBF20STRR-GE3	SIHFL110TR-BE3	SIHFL110TR-GE3	SIHFL9014TR-GE3	SIHFPS37N50A-GE3
SIHFR420-GE3	SIHFR420TR-GE3	SIHFR420TRL-GE3	SIHFR420TRR-GE3	SIHFR9010-GE3
SIHFR9010TR-GE3	SIHFR9010TRL-GE3	SIHFR9014-GE3	SIHFR9014TR-GE3	SIHFR9014TRL-GE3
SIHFR9120-GE3	SIHFR9120TR-GE3	SIHFR9120TRL-GE3	SIHFRC20-GE3	SIHFRC20TR-GE3
SIHFRC20TRL-GE3	SIHFRC20TRR-GE3	SIHFU110-GE3	SIHFU420-GE3	SIHFU9010-GE3
SIHFU9014-GE3	SIHFU9120-GE3	SIHFU9210-GE3	SIHFUC20-GE3	V50382-E3

Vishay Material Code	Customer Material	Location
IRF634PBF	SLNIRF634PBF	Ft Worth
IRF640PBF	SLNIRF640PBF	Ft Worth
IRF640SPBF	SLNIRF640SPBF	Ft Worth
IRF640STRLPBF	SLNIRF640STRLPBF	Ft Worth
IRF640STRRPBF	SLNIRF640STRRPBF	Ft Worth
IRF740APBF	SLNIRF740APBF	Ft Worth
IRF740APBF-BE3	SLNIRF740APBF-BE3	Ft Worth
IRF740ASPBF	SLNIRF740ASPBF	Ft Worth
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IRF740PBF-BE3	SLNIRF740PBF-BE3	Ft Worth
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SIHFL110TR-GE3	SLNSIHFL110TR-GE3	Maisach Gernlinden
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IRF9540SPBF	4083019-740	Singapore
IRFBG30PBF	BOOK PRICE	Singapore
IRF840ASPBF	IRF840ASPBF	Singapore
IRF840PBF	IRF840PBF-NCNR	Singapore
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IRFI640GPBF	BOOK PRICE	Singapore
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IRF9640PBF	2011-A1S14668296400	Singapore
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