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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.

### CONTACT INFORMATION

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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: Wednesday November 11, 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:** |



# 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
IRFP064PBF	IRFP240PBF	IRFP264PBF	IRFP360PBF	IRFP450PBF
IRFP460APBF	IRFP460LCPBF	IRFP460PBF	IRFP9140PBF	IRFPC50PBF
IRFPC60PBF	IRFPG30PBF	IRFR420PBF	IRFR420PBF-BE3	IRFR420TRLPBF
IRFR420TRPBF	IRFR420TRPBF-BE3	IRFR420TRRPBF	IRFR9010PBF	IRFR9010TRLPBF
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