Product Change Notification

## TO-247 Alternate Lead-Frame

DESCRIPTION OF CHANGE: This notification is made to advise users of parts packaged in the TO-247 that an alternative lead frame design has been qualified for use by manufacturing. The qualification of this lead-frame results in a minor change to the A2 dimension of the POD. The list of Mosfet devices that may be affected by this change are listed below. The updated POD is also shown below for reference.

CLASSIFICATION of CHANGE: Update to documentation
REASON FOR CHANGE: Manufacturing flexibility.
EXPECTED INFLUENCE ON QUALITY/RELIABILTY/PERFORMANCE: This change will have no affect in quality, reliability, or performance of devices using this package.

PRODUCT CATAGORY: Commercial Power MOSFETs in TO-247 packages
PART NUMBERS/SERIES/FAMILIES AFFECTED: see list below

VISHAY BRAND(s): Vishay Siliconix
TIME SCHEDULE: Shipments of products using the alternate lead frame will begin after October 11, 2012.
SAMPLE AVAILABILITY: Samples will be available for customer qualification in July, 2012.
QUALIFICATION DATA: Qualification and device performance data will be available upon completion.
PRODUCT IDENTIFICATION: There will be no changes to part marking. Products built with the alternate lead-frame will have part marking in the form of Y27zab where the $\mathbf{Y}$ is the factory designator for Vishay Xian.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before October 11, 2012 or as specified by contract.

ISSUED BY: Don Larson, Vishay Siliconix, Technical Marketing Manager. E-mail address: Don.larson@Vishay.com
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## Product Change Notification

| List of Active Parts Affected by Change |  |  |  |
| :--- | :--- | :--- | :--- |
| IRFP048 | IRFP264 | IRFP460A | IRFPF50 |
| IRFP048PBF | IRFP264PBF | IRFP460APBF | IRFPF50PBF |
| IRFP048RPBF | IRFP26N60L | IRFP460LC | IRFPG30 |
| IRFP054 | IRFP26N60LPBF | IRFP460LCPBF | IRFPG30PBF |
| IRFP054PBF | IRFP27N60K | IRFP460PBF | IRFPG40 |
| IRFP064 | IRFP27N60KPBF | IRFP9140 | IRFPG40PBF |
| IRFP064PBF | IRFP31N50L | IRFP9140PBF | IRFPG50 |
| IRFP140 | IRFP31N50LPBF | IRFP9240 | IRFPG50PBF |
| IRFP140PBF | IRFP32N50K | IRFP9240PBF | SIHG16N50C-E3 |
| IRFP150 | IRFP32N50KPBF | IRFPC40 | SIHG20N50C-E3 |
| IRFP150PBF | IRFP340 | IRFPC40PBF | SIHG22N60E-E3 |
| IRFP17N50L | IRFP340PBF | IRFPC50 | SIHG22N60S-E3 |
| IRFP17N50LPBF | IRFP350 | IRFPC50A | SIHG24N65E-E3 |
| IRFP21N60L | IRFP350LC | IRFPC50APBF | SIHG30N60E-E3 |
| IRFP21N60LPBF | IRFP350LCPBF | IRFPC50LC | SIHG47N60E-E3 |
| IRFP22N50A | IRFP350PBF | IRFPC50LCPBF | SIHG47N60S-E3 |
| IRFP22N50APBF | IRFP360 | IRFPC50PBF | $94-1730$ |
| IRFP22N60K | IRFP360LC | IRFPC60 | 94-2574PBF |
| IRFP22N60KPBF | IRFP360LCPBF | IRFPC60LC | $94-3257$ |
| IRFP23N50L | IRFP360PBF | IRFPC60LCPBF | 94-5851PBF |
| IRFP23N50LPBF | IRFP440 | IRFPC60PBF | SiHG47N60E-GE3 |
| IRFP240 | IRFP440PBF | IRFPE30 | SiHG22N60E-GE3 |
| IRFP240PBF | IRFP448 | IRFPE30PBF | SiHG30N60E-GE3 |
| IRFP244 | IRFP448PBF | IRFPE40 | SiHG24N65E-GE3 |
| IRFP244PBF | IRFP450 | IRFPE40PBF | SiHG25N40D-GE3 |
| IRFP250 | IRFP450A | IRFPE50 | SiHG17N60D-E3 |
| IRFP250PBF | IRFP450APBF | IRFPE50PBF | SiHG17N60D-GE3 |
| IRFP254 | IRFP450LC | IRFPF30 | IRFP460BPBF |
| IRFP254PBF | IRFP450LCPBF | IRFPF30PBF | SiHG460B-GE3 |
| IRFP260 | IRFP450PBF | IRFPF40 |  |
| IRFP260PBF | IRFP460 | IRFPF40PBF |  |
|  |  |  |  |

Product Change Notification

## TO-247AC (HIGH VOLTAGE)



|  |
| ---: |
| D |
| A |
| A |
| A |
| b |
| b |
| b |
| b |
| b |
| b |
| c |
| c |
| D |
| D |
| D |
| ECN |
| DWG |
| Notes |

1. Dimensioning and tolerancing per ASME Y14.5M-1994.
2. Contour of slot optional.
3. Dimension D and E do not include mold flash. Mold flash shall not exceed $0.127 \mathrm{~mm}\left(0.006^{\circ}\right)$ per side. These dimensions are measured at the outermost extremes of the plastic body.
4. Thermal pad contour optional with dimensions D1 and E1.
5. Lead finish uncontrolled in L1.
6. $\varnothing \mathrm{P}$ to have a maximum draft angle of 1.5 to the top of the part with a maximum hole diameter of $3.91 \mathrm{~mm}\left(0.154^{\circ}\right)$.
7. Outline conforms to JEDEC outline TO-247 with exception of dimension A2
