

Process Change Notification

Date: April 3, 2013
PCN Reference: S20258
Product Reference: TO-247 FET Products

To Our Valued Customer:

As always we appreciate your use of International Rectifier semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. This notice is to inform you of the following change:

Type of Change Notification:

Mold compound and die attach solder material change, for the assembly of TO-247 FET products.

Description of Change:

GTBF will change the Bill of Materials for the assembly of TO-247 FET products as follows:

Die attach: PbSnAg die attach solder
Mold compound: Kyocera KE-G-series
Leadframe: Bare Cu

This change does not affect product assembled in IRMX facility.

Reason for the Change:

Bill of materials consolidation purposes.

Effect Date:

July 3, 2013

International Rectifier will consider this change approved and will implement it by the effective date unless specific conditions of acceptance or sample requests are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance and sample requests to the PCN coordinator listed at the end of this notice.

Impact of Change:

No impact is expected. The new bill of materials will meet the same parametric and qualification level as the existing products. Product datasheets will remain unchanged.

Products Affected:

IRFP3077PBF	MOSFET, 75V, 210A, 3.3 mOhm, 160 nC Qg, TO-247AC
IRFP3306PBF	MOSFET, 60V, 160A, 4.2 mOhm, 85 nC Qg, TO-247AC
IRFP4110PBF	MOSFET, 100V, 168A, 4.6 mOhm, 152 nC Qg, TO-247AC
IRFP4232PBF	MOSFET, 250V, 60A, 35.7 mOhm, 160 nC Qg, TO-247AC
IRFP064NPBF	MOSFET, 55V, 98A, 8 mOhm, 113.3 nC Qg, TO-247AC
IRFP150NPBF	MOSFET, 100V, 39A, 36 mOhm, 73.3 nC Qg, TO-247AC
IRFP044NPBF	MOSFET, 55V, 49A, 20 mOhm, 40.7 nC Qg, TO-247AC
IRFP054NPBF	MOSFET, 55V, 72A, 12 mOhm, 86.7 nC Qg, TO-247AC
IRFP048NPBF	MOSFET, 55V, 62A, 16 mOhm, 59.3 nC Qg, TO-247AC
IRFP2907ZPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, TO-247AC
IRFP3415PBF	MOSFET, 150V, 43A, 42 mOhm, 144.4 nC Qg, TO-247AC
IRFP140NPBF	MOSFET, 100V, 27A, 52 mOhm, 62.7 nC Qg, TO-247AC
IRFP150VPBF	MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, TO-247AC
IRFP90N20DPBF	MOSFET, 200V, 94A, 23 mOhm, 180 nC Qg, TO-247AC
IRFP9140NPBF	MOSFET, P-CHANNEL, -100V, -21A, 117 mOhm, 64.7 nC Qg, TO-247AC
IRFP3703PBF	MOSFET, 30V, 210A, 2.8 mOhm, 209 nC Qg, TO-247AC
IRFP3710PBF	MOSFET, 100V, 51A, 250 mOhm, 66.7 nC Qg, TO-247AC
IRFP1405PBF	MOSFET, 55V, 160A, 5.3 mOhm, 120 nC Qg, TO-247AC
IRFP250NPBF	MOSFET, 200V, 30A, 75 mOhm, 82 nC Qg, TO-247AC
IRFP260NPBF	MOSFET, 200V, 49A, 40 mOhm, 156 nC Qg, TO-247AC
IRFP2907PBF	MOSFET, 75V, 177A, 4.5 mOhm, 410 nC Qg, TO-247AC
IRFP4321PBF	MOSFET, 150V, 78A, 15.5 mOhm, 71 nC Qg, TO-247AC
IRFP4310ZPBF	MOSFET, 100V, 127A, 6 mOhm, 120 nC Qg, TO-247AC
IRFP4410ZPBF	MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, TO-247AC
IRFP4004PBF	MOSFET, 40V, 350A, 1.7 mOhm, 220 nC Qg, TO-247AC
IRFP4468PBF	MOSFET, 100V, 290A, 2.6 mOhm, 360 nC Qg, TO-247AC
IRFP2602PBF	MOSFET, 100V, 290A, 2.6 mOhm, 360 nC Qg, TO-247AC
IRFP4568PBF	MOSFET, 150V, 171, 5.9mOhm, 151 nC Qg, TO-247AC
IRLP3034PBF	MOSFET, 40V, 327A, 1.7 mOhm, 108 nC Qg, TO221

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64-6007PBF	MOSFET, 40V, 327A, 1.7 mOhm, 108 nC Qg, TO221
64-6010PBF	MOSFET, 55V, 160A, 5.3 mOhm, 120 nC Qg, TO-247AC
64-6011PBF	MOSFET, 60V, 210A, 3 mOhm, 120 nC Qg, TO-247AC

Qualification:

Parts passed all the reliability testing requirements. Reliability qualification report is available upon request. Qualification standards can be found on International Rectifier's web site at www.irf.com/product-info/reliability.

Supporting Data Availability:

Contact IR for supporting data on this change.

Contact Information:

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