



101 North Sepulveda Boulevard, El Segundo, California, 90245, USA Telephone: +1 310 726 8000 www.irf.com

Process Change Notification

Date: April 26, 2013
PCN Reference: S20209D
PCR Reference: P-1242-MD-0642.1
Product Reference: TO-220 MOSFET Phase II

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:

Alternate site for the assembly of the product listed in the following page.

Description of Change:

SP Semiconductor (Korea) has been qualified as alternate assembly site for the TO-220 FET products identified in the following page. The Bill of Materials in the new assembly site will be as follows:

- Bare Cu leadframe
- Samsung SG-8200-series mold compound
- PbSnAg die attach solder

Reason for the Change:

Additional assembly capacity

Effect Date:

July 26, 2013



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

Impact of Change:

No impact is expected. The new assembly site and bill of materials will meet the same parametric and qualification level as the existing products.

Products Affected:

Part Number	Description
94-4311PBF	MOSFET, 55V, 98A, 8 mOhm, 97.3 nC Qg, TO-220AB
IRF1010EPBF	MOSFET, 60V, 81A, 12 mOhm, 86.6 nC Qg, TO-220AB
IRF1010EZPBF	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, TO-262
IRF1010NPBF	MOSFET, 55V, 72A, 11 mOhm, 80 nC Qg, TO-220AB
IRF1010ZPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, TO-220AB
IRF1324PBF	MOSFET, 24V, 353A, 1.5 mOhm, 160 nC Qg, TO-220
IRF1404ZGPBF	MOSFET, 40V, 190A, 3.7 mOhm, 100 nC Qg, TO-220AB, Halogen-free
IRF1404ZPBF	MOSFET, 40V, 190A, 3.7 mOhm, 100 nC Qg, TO-262
IRF1405ZPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, TO-262
IRF2804PBF	MOSFET, 40V, 280A, 2.3 mOhm, 160 nC Qg, TO-262
IRF2807ZPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, TO-262
IRF2907ZPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, TO-262
IRF3205PBF	MOSFET, 55V, 98A, 8 mOhm, 97.3 nC Qg, TO-220AB
IRF3205ZPBF	MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, TO-262
IRF3710ZPBF	MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, TO-262
IRF3805PBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, TO-262
IRF4104PBF	MOSFET, 40V, 120A, 5.5 mOhm, 68 nC Qg, TO-220AB
IRFB3206PBF	MOSFET, 60V, 210A, 3 mOhm, 120 nC Qg, TO-220AB
IRFB3207PBF	MOSFET, 75V, 180A, 4.5 mOhm, 180 nC Qg, TO-220AB
IRFB3307PBF	MOSFET, 75V, 130A, 6.3 mOhm, 120 nC Qg, TO-220AB
IRFB4310GPBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, TO-220AB, Halogen-free
IRFB4310PBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, TO-220AB
IRFB4410PBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, TO-220AB
IRFB4411ZPBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, TO-220AB
IRFB4510GPBF	MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, TO-220AB
IRFB4510PBF	MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, TO-220AB
IRFB4610PBF	MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, TO-220AB



IRFZ44NPBF	MOSFET, 55V, 41A, 17.5 mOhm, 42 nC Qg, TO-220AB
IRFZ44VPBF	MOSFET, 60V, 55A, 16.5 mOhm, 44.7 nC Qg, TO-220AB
IRFZ46NPBF	MOSFET, 55V, 46A, 16.5 mOhm, 48 nC Qg, TO-220AB
IRFZ48NPBF	MOSFET, 55V, 64A, 14 mOhm, 54 nC Qg, TO-220AB
IRFZ48VPBF	MOSFET, 60V, 72A, 12 mOhm, 73.3 nC Qg, TO-220AB
IRLZ44NPBF	MOSFET, 55V, 41A, 22 mOhm, 32 nC Qg, Logic Level, TO-220AB

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.

Data Availability:

Please contact the PCN Coordinator for supporting data.

Contact Information:

CONTACT TYPE	NAME	PHONE	EMAIL
PCN Coordinator	John Michaelson	951 375-4432	mailto:jmichae2@irf.com
Technical	Mario Dolores	66-890172860	mailto:mdolore1@irf.com