

## **Process Change Notification**

**Date:** May 17, 2013  
**PCN Reference:** F13-0002  
**PCR Reference:** F13-0002 / M11-0011  
**Product Reference:** Gen 12.7 MOSFET TO-220 & TO-247

### **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 changes.

We would like to express our sincere appreciation for your cooperation regarding the following changes, and IR will work closely with you to support your requirements during this transition.

### **Type of Change Notification:**

- Capacity expansion within IR's existing foundry sites
- Metal stack Improvement
- Package conversion to halogen-free

### **Description of Change:**

- Qualify Tower foundry.
- Metal stack Improvement
- Introduction of Kyocera KE-series, halogen-free, mold compound

### **Reason for the Change:**

- Capacity increase and dual sourcing
- Satisfy customer requirements for halogen-free products

### **Effect Date:**

August 16, 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:**

There will be no impact to the fit, form or function of the parts. There will be no change to the datasheet parameters.

**Products Affected:**

Part	Description
IRFB7430PBF	MOSFET, 40V, 195A, 1.3 mOhm, 300 nC Qg, TO-220AB
IRFB7434PBF	MOSFET, 40V, 195A, 1.6 mOhm, 216 nC Qg, TO-220AB
IRFB7437PBF	MOSFET, 40V, 195A, 2.0 mOhm, 150 nC Qg, TO-220AB
IRFB7440PBF	MOSFET, 40V, 120A, 2.5 mOhm, 90 nC Qg, TO-220AB
IRFB7446PBF	MOSFET, 40V, 118A, 3.3 mOhm, 62 nC Qg, TO-220AB
IRFP7430PBF	MOSFET, 40V, 195A, 1.4 mOhm, 300 nC Qg, TO-247

**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](http://www.irf.com/product-info/reliability).

**Supporting Data Availability:**

Contact IR for supporting data on this change.

**Contact Information:**

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