Product Change Notice

1. Title: HFB50HC20C, Ultra-Fast Common Cathode Diode

2. Document Number: FV5-C-11-008

3. Date: February 28, 2011

4. Manufacturer and Address:
   International Rectifier
   205 Crawford Street
   Leominster, MA 01453

5. Manufacturer Part Number:
   See below for IR Part Numbers

6. Base Part:
   NA

7. National Stock Number (NSN):
   NA

8. Cage:
   69210

9. Effective Date:
   February 22, 2011

10. Government Number:
    NA

11. Point of Contact:
    Manufacturer’s Representative or
    Customer Service Representative (978) 534-5776

12. Drawing Number:
    NA

13. Specification Number:
    MIL-PRF-19500

14. Product Change:

   This GIDEP PCN is to announce the addition of Toshiba XE13-B9144 (33-0275-06B) die coat to the following International Rectifier Part No.

   HFB50HC20C
   HFB50HC20CSCX
   HFB50HC20CSCV

   Description: 200V 50A Hi-Rel Ultra-Fast Common Cathode Diode in a TO-258AA package

   Reason for Change: Arcing can occur at high voltage as a result of surface charge build-up in the termination area. To prevent arcing, IR will apply a controlled amount of silicone based coating to the FRED die surface. The die coat acts as passivation to effectively suppress any arcing in the termination. This change will extend the die coat application from the 400V, where it is being used currently, to the 200V FRED product.

   Impact of Change: No effect to form, fit, or function. Additional package weight of less than 3mg.

   Qualification: As this process is qualified on higher voltage products, qualification is not required per MIL-PRF-19500. However, IR is performing GRP A, B, C, and E (partial) per MIL-PRF-19500 for internal validation.

16. Approving Government Activity

17. GIDEP Representative:
   Paul Hebert

18. Signature:
   [Signature]

19. Date:
   February 28, 2011