



PRODUCT CHANGE NOTICE

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| 1. TITLE HFB35HB20C, Ultra-Fast Common Cathode Diode | | 2. DOCUMENT NUMBER FV5-C-11-007 |
| | | 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 <p>This GIDEP PCN is to announce the addition of Toshiba XE13-B9144 (33-0275-06B) die coat to the following International Rectifier Part No.</p> <p>HFB35HB20C HFB35HB20CSCS HFB35HB20CSCX HFB35HB20CSCV</p> <p>Description: 200V 35A Hi-Rel Ultra-Fast Common Cathode Diode in a TO-254AA package</p>  <p>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.</p> <p>Impact of Change: No effect to form, fit, or function. Additional package weight of less than 3mg.</p> <p>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.</p> | | |
| | | 16. APPROVING GOVERNMENT ACTIVITY |
| 17. GIDEP REPRESENTATIVE Paul Hebert | 18. SIGNATURE  | 19. DATE February 28, 2011 |