




PROBLEM ADVISORY

1. TITLE (Class, Function, Type, etc.) RGA, Hybrid Microcircuit, DC/DC Converter		2. DOCUMENT NUMBER FV5-P-06-02	
		3. DATE (DD-MMM-YY) 24 July 2006	
4. MANUFACTURER AND ADDRESS International Rectifier, HiRel Products 2270 Martin Ave. Santa Clara, CA 95050	5. PART NUMBER See Document	6. NATIONAL STOCK NUMBER Not Available	
	7. SPECIFICATION MIL-PRF-38534	8. TYPE DESIGNATOR Not Available	
	9. LOT DATE CODE START See Table 1	10. LOT DATE CODE END See Table 1	
11. MANUFACTURER'S POINT OF CONTACT Paul Hebert	12. CAGE 52467	13. MANUFACTURER'S FAX (978) 537-4246	
14. MFR. POC PHONE (978) 514-6180	15. MANUFACTURER'S E-MAIL phebert@irf.com		
16. CROSS REFERENCE VENDOR Not Available	17. CROSS REFERENCE CAGE Not Available	18. CROSS REFERENCE PART Not Available	
19. PROBLEM DESCRIPTION / DISCUSSION / EFFECT This GIDEP Problem Advisory is pursuant to individual customer notifications conducted in December 2005. International Rectifier experienced a process anomaly, which resulted in hybrids to be sealed with moisture levels above limits specified by MIL-PRF-38534. Products listed herein (Table I) are suspect of exceeding the required maximum internal water vapor content limit of 5000 PPM, as determined during Residual Gas Analysis testing. Test data revealed readings as high as 12,000 PPM of moisture content.			
20. ACTION TAKEN/PLANNED 1. International Rectifier has determined that the impacted product lots presented a potential reliability risk. As part of containment activity, written notifications were issued to customers to recommend that the subject hybrids processed within the seal window and specific equipment be returned for rework or replacement. 2. All affected customers have been notified of the problem. While most of the potentially affected product has been returned and shipped back after rework/replacement, the product listed in Table I herein has not been returned to International Rectifier yet and remains outstanding. Reference Table I herein for part number and date code information. 3. International Rectifier has since corrected the problem and continues to monitor product for RGA.			
21. DATE MFR. NOTIFIED NOT APPLICABLE	22. MANUFACTURER'S RESPONSE <input type="checkbox"/> REPLY ATTACHED <input checked="" type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> NO REPLY	23. ORIGINATOR ADDRESS/POINT OF CONTACT Paul Hebert, International Rectifier – HiRel Products (978) 514-6180 phebert@irf.com	
24. REPRESENTATIVE Paul Hebert	25. SIGNATURE 	26. DATE 19 June 2006	

FV5-P-06-02

20. ACTION TAKEN/PLANNED (continued)

Table 1 – List of Affected Product / Pending

Model	Quantity	DC	Serial Numbers
8643 78900310-002	3	0528	0518 123, 131, 161
8643 78900310-002	7	0530	0518 102, 107, 112, 124, 125, 132, 141