

PRODUCT CHANGE NOTICE

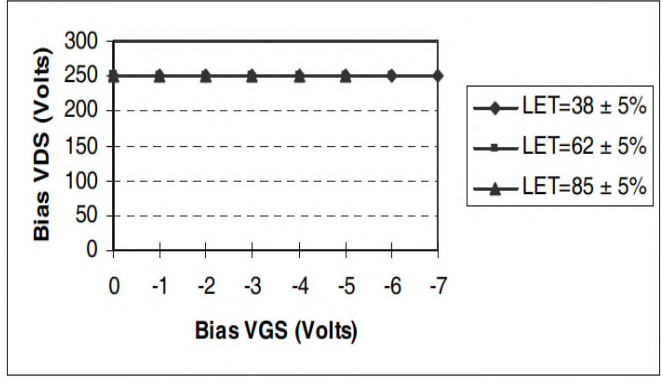
1. TITLE IRHLC77214 Update - Part ID and SEE characteristics		2. DOCUMENT NUMBER FV5-C-16-0014
3. DATE January 27, 2016		
4. MANUFACTURER AND ADDRESS International Rectifier, HiRel Products Inc 205 Crawford Street Leominster, MA 01453		5. MANUFACTURER PART NUMBER IRHLF73214SCS
6. BASE PART IRHLF77214 part family - See		7. NATIONAL STOCK NUMBER (NSN) NA
8. CAGE 69210	9. EFFECTIVE DATE January 27, 2016	10. GOVERNMENT NUMBER N/A
11. POINT OF CONTACT Manufacturer's Representative or Customer Service Representative (978) 534-5776		12. DRAWING NUMBER N/A
		13. SPECIFICATION NUMBER MIL-PRF-19500

14. PRODUCT CHANGE

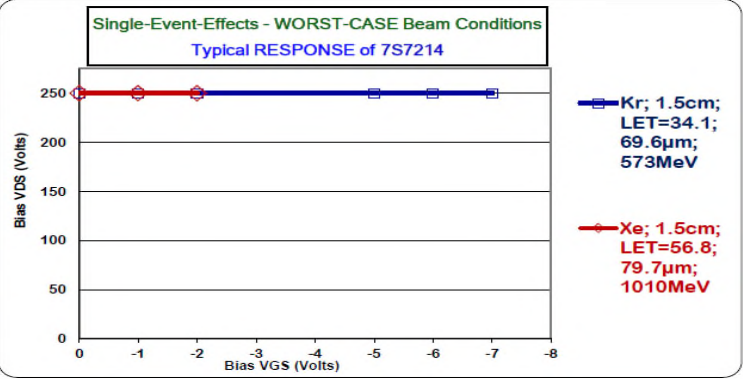
This GIDEP PCN is to announce product changes as follows:

IR has made FAB best practice changes to the IRHLC77214SCS RADHard die (R7, 250V, N-Channel). The changes caused a reduction in the Single Event Effects (SEE) performance of the die. The device failed to perform at an LET of 85. IR will be obsoleting the current product part numbers and replace them with a new part number that includes an "S" designator (example: IRHLC7S7214SCS). We do not expect any other significant differences in performance between the new die versions and the original devices.

Typical Single Event Effect, Safe Operating Area
FROM



TO



		16. APPROVING GOVERNMENT ACTIVITY	
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE January 27, 2016	

Table 1 - New Part ID / Marking

OLD PART ID / MARKINGS				
<i>100kRAD</i>				
IRHLC77214	IRHLF77214	IRHLQ77214	IRHLG77214	IRHLNM77214
IRHLC77214CDK	IRHLF77214SCS	IRHLQ77214SCS	IRHLG77214SCS	IRHLNM77214SCS
IRHLC77214CDV				
<i>300kRAD</i>				
IRHLF73214	IRHLF73214	IRHLQ73214	IRHLG73214	IRHLNM73214
IRHLF73214SCS	IRHLF73214SCS	IRHLQ73214SCS	IRHLG73214SCS	IRHLNM73214SCS
IRHLC73214CDV				
NEW PART ID / MARKINGS				
<i>100kRAD</i>				
IRHLC7 S 7214	IRHLF7 S 7214	IRHLQ7 S 7214	IRHLG7 S 7214	IRHLNM7 S 7214
IRHLC7 S 7214CDK	IRHLF7 S 7214SCS	IRHLQ7 S 7214SCS	IRHLG7 S 7214SCS	IRHLNM7 S 7214SCS
IRHLC7 S 7214CDV				
<i>300kRAD</i>				
IRHLF7 S 3214	IRHLF7 S 3214	IRHLQ7 S 3214	IRHLG7 S 3214	IRHLNM7 S 3214
IRHLF7 S 3214SCS	IRHLF7 S 3214SCS	IRHLQ7 S 3214SCS	IRHLG7 S 3214SCS	IRHLNM7 S 3214SCS
IRHLC7 S 3214CDV				
Die / Wafer	TO-39	LCC-28 Quad	MO-36AB	SMD0.2
