

# PRODUCT CHANGE NOTICE

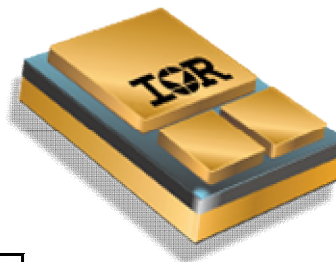
1. TITLE <b>IRHLNJ797034, SEE Characteristics</b>		2. DOCUMENT NUMBER <b>FV5-C-16-0029</b>
4. MANUFACTURER AND ADDRESS <b>International Rectifier, HiRel Products Inc. 205 Crawford Street Leominster, MA 01453</b>		3. DATE <b>9/2/2016</b>
8. CAGE <b>69210</b>		5. MANUFACTURER PART NUMBER <b>See below for IR Part Number</b>
9. EFFECTIVE DATE <b>9/2/2016</b>		6. BASE PART <b>NA</b>
11. POINT OF CONTACT <b>Manufacturer's Representative or Customer Service Representative (978) 534-5776</b>		7. NATIONAL STOCK NUMBER (NSN) <b>NA</b>
		10. GOVERNMENT NUMBER <b>NA</b>
		12. DRAWING NUMBER <b>NA</b>
		13. SPECIFICATION NUMBER <b>MIL-PRF-19500</b>

14. PRODUCT CHANGE  
This GIDEP PCN is to announce a change in the TID / SEE characteristics for the following International Rectifier Part No.

## IRHLNJ797034, 2N7624U3

-60V 100kRad Hi-Rel Single P-Channel TID Hardened MOSFET in a SMD-0.5 package

Datasheet updated with new SEE characteristics



FROM:

Table 2. Typical Single Event Effect Safe Operating Area

LET (MeV/(mg/cm <sup>2</sup> ))	Energy (MeV)	Range (μm)	VDS (V)					
			@VGS= 0V	@VGS= 2V	@VGS= 4V	@VGS= 5V	@VGS= 6V	@VGS= 7V
38 ± 5%	300 ± 7.5%	38 ± 7.5%	-60	-60	-60	-60	-60	-40
62 ± 5%	355 ± 7.5%	33 ± 7.5%	-60	-60	-60	-60	-60	-
85 ± 5%	380 ± 7.5%	29 ± 7.5%	-60	-60	-60	-60	-	-

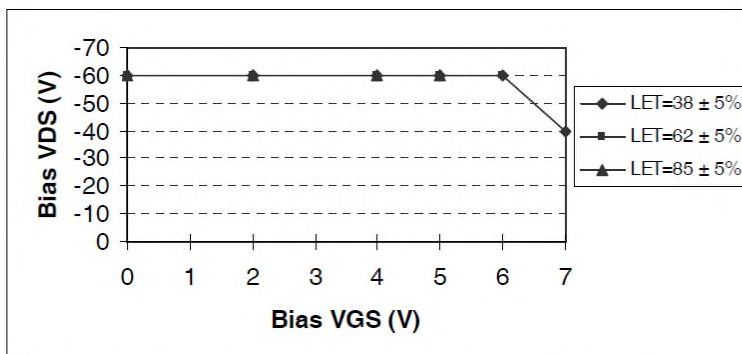


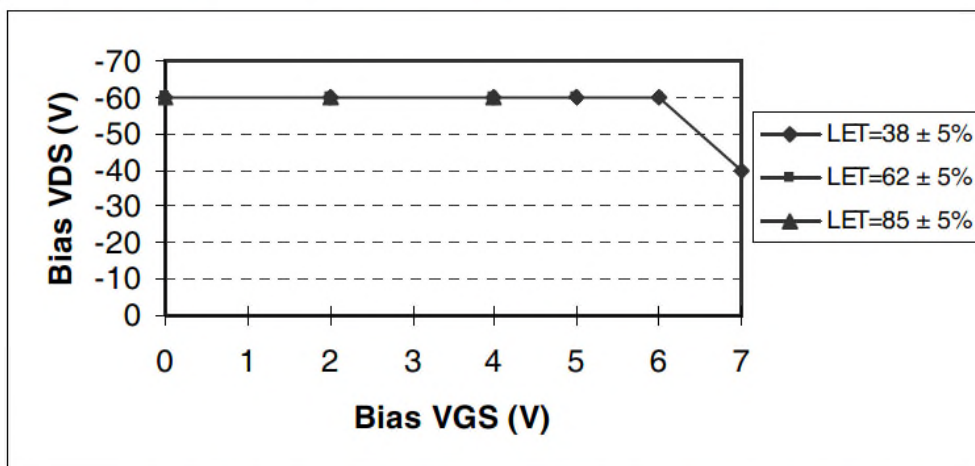
Fig a. Typical Single Event Effect, Safe Operating Area

16. APPROVING GOVERNMENT ACTIVITY	
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE <i>[Signature]</i>
19. DATE September 2, 2016	

To:

**Table 2. Typical Single Event Effect Safe Operating Area**

LET (MeV/(mg/cm <sup>2</sup> ))	Energy (MeV)	Range (μm)	VDS (V)					
			@VGS= 0V	@VGS= 2V	@VGS= 4V	@VGS= 5V	@VGS= 6V	@VGS= 7V
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62 ± 5%	355 ± 7.5%	33 ± 7.5%	-60	-60	-60	-60	-	-
85 ± 5%	380 ± 7.5%	29 ± 7.5%	-60	-60	-60	-	-	-



**Fig a. Typical Single Event Effect, Safe Operating Area**

Reference: IR Datasheet PD-97302