

PRODUCT CHANGE NOTICE

1. TITLE IRHF597110, SEE Characteristics		2. DOCUMENT NUMBER FV5-C-15-026
		3. DATE

4. MANUFACTURER AND ADDRESS International Rectifier 205 Crawford Street Leominster, MA 01453	5. MANUFACTURER PART NUMBER See below for IR Part Number
	6. BASE PART NA
	7. NATIONAL STOCK NUMBER (NSN) NA

8. CAGE 69210	9. EFFECTIVE DATE 8/7/2015	10. GOVERNMENT NUMBER NA
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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 a change in the TID / SEE characteristics for the following International Rectifier Part No.

IRHF597110
100V Rad Hi-Rel TID Hardened P Channel MOSFET in a TO-39 package

Datasheet updated with new SEE characteristics

FROM:

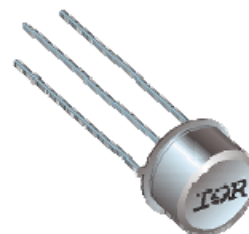
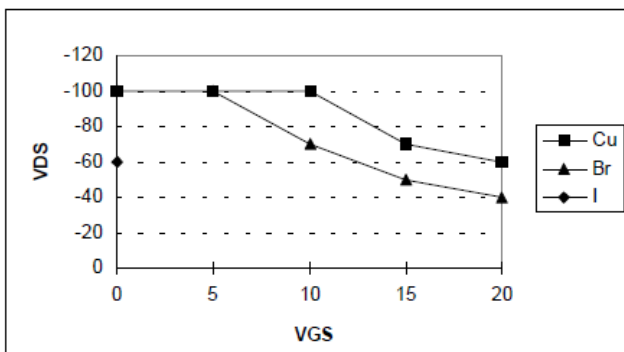


Table 2. Single Event Effect Safe Operating Area

Ion	LET MeV/(mg/cm ²)	Energy (MeV)	Range (μm)	V _{DS} (V)				
				@V _{GS} =0V	@V _{GS} =5V	@V _{GS} =10V	@V _{GS} =15V	@V _{GS} =20V
Cu	28.0	285	43.0	-100	-100	-100	-70	-60
Br	36.8	305	39.0	-100	-100	-70	-50	-40
I	59.8	343	32.6	-60	—	—	—	—



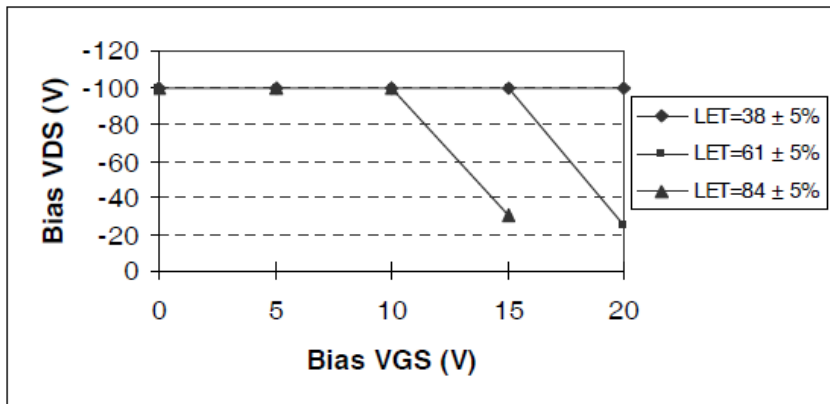
16. APPROVING GOVERNMENT ACTIVITY		
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17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE May 13, 2015
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To:

Table 2. Typical Single Event Effect Safe Operating Area

LET (MeV/(mg/cm ²))	Energy (MeV)	Range (μm)	VDS (V)				
			@VGS = 0V	@VGS = 5V	@VGS = 10V	@VGS = 15V	@VGS = 20V
38 ± 5%	270 ± 7.5%	35 ± 7.5%	-100	-100	-100	-100	-100
61 ± 5%	330 ± 7.5%	30 ± 7.5%	-100	-100	-100	-100	-25
84 ± 5%	350 ± 7.5%	28 ± 7.5%	-100	-100	-100	-30	-



Reference: IR Datasheet PD-94176