

PRODUCT CHANGE NOTICE

1. TITLE IRHG567110, SEE Characteristics		2. DOCUMENT NUMBER FV5-C-15-0019
		3. DATE May 13, 2015
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 May 13, 2015	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
This GIDEP PCN is to announce a change in the TID / SEE characteristics for the following International Rectifier Part No.

IRHG567110

100V Dual 2N- and 2P- Channel MOSFET in a MO-036AB package

Datasheet updated with new SEE characteristics (N-Channel die ONLY)



FROM:

Table 2. Single Event Effect Safe Operating Area (Per Die)

Ion	LET MeV/(mg/cm ²)	Energy (MeV)	Range (μm)	V _{DS} (V)					
				@V _{GS} =0V	@V _{GS} =-5V	@V _{GS} =-10V	@V _{GS} =-12.5V	@V _{GS} =-15V	@V _{GS} =-20V
Br	36.7	309	39.5	100	100	100	100	100	80
I	59.8	341	32.5	100	100	100	90	25	20

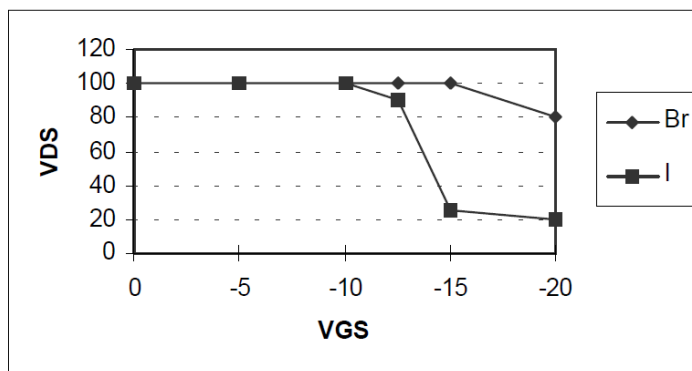


Fig a. Single Event Effect, Safe Operating Area

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

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%	300 ± 7.5%	38 ± 7.5%	100	100	100	100	100
61 ± 5%	330 ± 7.5%	31 ± 10%	100	100	100	35	25
84 ± 5%	350 ± 10%	28 ± 7.5%	100	100	80	25	-

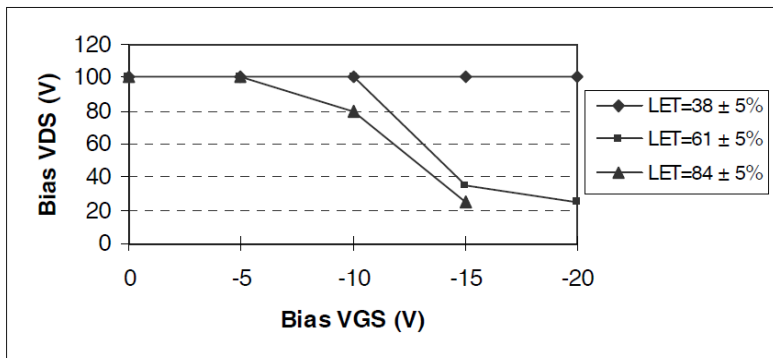


Fig a. Typical Single Event Effect, Safe Operating Area

Reference: IR Datasheet PD-94246