

PRODUCT CHANGE NOTICE

1. TITLE IRHQ57110, SEE Characteristics		2. DOCUMENT NUMBER FV5-C-15-0011
		3. DATE March 10, 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 March 10, 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.

IRHQ57110
100V Quad N-Channel MOSFET in a 28-pin LCC package



Datasheet updated with new SEE characteristics

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} =-15V	@V _{Gs} =-20V
Cu	28	285	43	100	100	100	100	70
Br	36.8	305	39	100	80	70	50	—
I	59.8	343	32.6	50	40	35	—	—

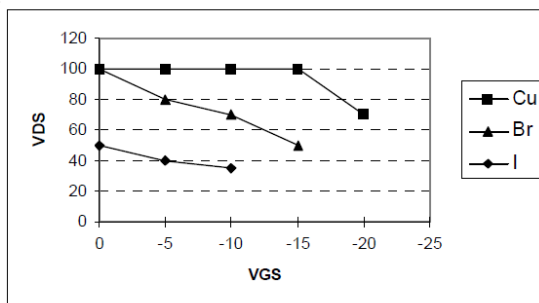


Fig a. Single Event Effect, Safe Operating Area

16. APPROVING GOVERNMENT ACTIVITY	
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE
19. DATE March 10, 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	-

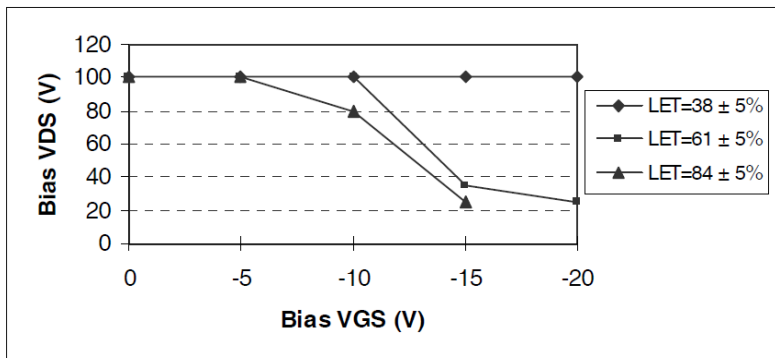


Fig a. Typical Single Event Effect, Safe Operating Area

Reference: IR Datasheet PD-94211D