

PRODUCT CHANGE NOTICE

1. TITLE IRHX67C30 Radiation Characteristics		2. DOCUMENT NUMBER FV5-C-21-0002
		3. DATE November 19, 2020

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

8. CAGE 69210	9. EFFECTIVE DATE November 19, 2020	10. GOVERNMENT NUMBER NA
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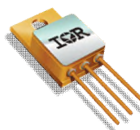
11. POINT OF CONTACT Manufacturer's Representative or Account Specialist (978) 534-5776	12. DRAWING NUMBER NA
	13. SPECIFICATION NUMBER MIL-PRF-19500

14. PRODUCT CHANGE
This GIDEP PCN is to announce specifications change with the datasheet parameters for the following International Rectifier Part No. Note that the changes are related to FAB implementation of process improvements and resulting SEE requalification.

IRHNJ67C30 [2N7598U3]
600V, N-Channel, TID Hardened MOSFET in a SMD-0.5 package



IRHY67C30CM [2N7599T3]
600V, N-Channel, TID Hardened MOSFET in a TO-257AA package



RADIATION CHARACTERISTICS:

Table 2. Typical Single Event Effect Safe Operating Area

Change the V_{GS} bias measurement from V_{GS}=0V, V_{GS}=-4V, V_{GS}=-12V, V_{GS}=-20V to V_{GS}=0V, V_{GS}=-2V, V_{GS}=-10V, V_{GS}=-15V

Ion	LET (MeV/(mg/cm ²))	Energy (MeV)	Range (µm)	V _{DS} (V)			
				@V _{GS} =0V	@V _{GS} =-2V	@V _{GS} =-10V	@V _{GS} =-15V
Kr	28.5 +5% 32.4	977 +5% 679	125.6 +5% 83.3	600	600	600	600
Xe	54 +7.5% 56.2	1660 +5% 1060	132.2 +10% 83.5	600	600	600	—
Au	83.6 +5% 89.5	2494 +5% 1555	130.7 +5% 84	600	600	—	—

Reference Datasheet PD-97198 and PD-95837 for additional part identifier information.

16. APPROVING GOVERNMENT ACTIVITY		
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17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE November 19, 2020
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