

PRODUCT CHANGE NOTICE

1. TITLE IRHLNJ797034 Radiation Characteristics	2. DOCUMENT NUMBER FV5-C-20-0012
	3. DATE January 14, 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 January 14, 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-19500/757

14. PRODUCT CHANGE

This GIDEP PCN is to announce specifications change with the datasheet parameters for the following International Rectifier Part No. Note that this change is related to part specification only, and not due to a die physical change. The SEE update is related to a change in test facility, from BNL to TAMU.

IRHLNJ797034 [2N7624U3]



-60V, P-Channel TID Hardened MOSFET in a SMD-0.5 package

Radiation Characteristics
Change Table 2. Typical Single Event Effect (SEE) Safe Operating Area

From:

LET (MeV/(mg/cm ²))	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	—	—
85 ± 5%	380 ± 7.5%	29 ± 7.5%	-60	-60	-60	—	—	—

To:

LET (MeV/(mg/cm ²))	Energy (MeV)	Range (μm)	VDS (V)				
			@VGS=0V	@VGS=2V	@VGS= 4V	@VGS= 5V	@VGS= 6V
32.4 ± 5%	679 ± 7.5%	83.3 ± 7.5%	-60	-60	-60	-60	-60
61.7 ± 5%	584 ± 7.5%	48.7 ± 10%	-60	-60	-60	—	—
92.3 ± 5%	1156 ± 7.5%	65.1 ± 7.5%	-40	—	—	—	—

Reference Datasheet PD-97302 for additional part identifier information.

16. APPROVING GOVERNMENT ACTIVITY		
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17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE January 14, 2020
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