


PRODUCT CHANGE NOTICE

1. TITLE IRHNJ7130 Electrical Characteristics		2. DOCUMENT NUMBER FV5-C-19-0019
		3. DATE December 21, 2018
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 December 21, 2018	10. GOVERNMENT NUMBER NA
11. POINT OF CONTACT Manufacturer's Representative or Account Specialist (978) 534-5776		12. DRAWING NUMBER NA
		13. SPECIFICATION NUMBER MIL-PRF-19500/614
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. IRHNJ7130 [2N7380U3] 100V, N-Channel TID Hardened MOSFET in a SM-0.5 package ABSOLUTE MAXIMUM RATINGS IDM [Pulsed Drain Current], change max rating from 58A to 57.6A. Linear Derating Factor, change from 1.2 W/°C to 0.6 W/°C. ELECTRICAL CHARACTERISTICS @ T _j = 25°C t _f [Fall Time], change max limit from 60ns to 30ns. SOURCE-DRAIN DIODE RATINGS AND CHARACTERISTICS ISM [Pulse Source Current (Body Diode)], change max limit from 58A to 57.6A. RADIATION CHARACTERISTICS CHANGE Table 1 Electrical Characteristics @ T _j = 25°C, Post Total Dose Irradiation BVDSS [Drain-to-Source Breakdown Voltage], change min limit at 300K-1000K Rads(Si) from 60V to 100V. IDSS [Zero Gate Voltage Drain Current], change max limit at 300K-1000K Rads(Si) from 25μA to 50μA. RDS(on) [Static Drain-to-Source On-State Resistance (TO-3)], change max limit at 100K Rads(Si) from 0.19Ω to 0.18Ω. RDS(on) [Static Drain-to-Source On-State Resistance (TO-3)], change max limit at 300K-1000K Rads(Si) from 0.25Ω to 0.24Ω. Reference Datasheet PD-93820		
		16. APPROVING GOVERNMENT ACTIVITY
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE December 21, 2018

