



PRODUCT CHANGE NOTICE

1. TITLE IRHLG77110, Datasheet Status Update		2. DOCUMENT NUMBER FV5-C-16-0012
		3. DATE January 20, 2016
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 January 20, 2016	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 changes in datasheet parameters from Preliminary to Release status for the following International Rectifier Part No IRHLG77110 (2N7612M1) 100V 100kRad Hi-Rel Quad N-Channel TID Hardened MOSFET in a MO-036AB package  Electrical Characteristics @ Tj = 25°C -RDS(on) Static Drain-to-Source On-State Resistance Change maximum limit from 0.22 to 0.285 Ω -gfs Forward Transconductance Change test condition from VDS = 10V to VDS = 15V -Q g Total Gate Charge Change from 15nC to 11nC -Q gs Gate-to-Source Charge Change from 2.5nC to 4nC -td(on) Turn-On Delay Time Change Spec Limit from 15 to 20ns -tr Rise Time Change Spec Limit from 20 to 35ns -tf Fall Time Change Spec Limit from 25 to 20ns Table 1. Electrical Characteristics @ Tj = 25°C, Post Total Dose Irradiation (Per Die) -RDS(on) Static Drain-to-Source On-State Resistance Change test package from TO-39 to TO-3 type Change maximum limit from 0.25 to 0.214 Ω -RDS(on) Static Drain-to-Source On-State Resistance (MO-036AB) Change maximum limit from 0.22 to 0.285 Ω -Replace Table 2 and the SEE graph with Table 2 and the SEE graph in (PD-97062B) for IRHLF77110 -Replace SOA curve - Fig 13. Maximum Safe Operating Area, including DC curve – see chart attached herein. Datasheet Footnotes: #2 - Change VDD from 25V to 50V and change L from 6.6mH to 60mH Reference: IR Datasheet PD-97178		
16. APPROVING GOVERNMENT ACTIVITY		
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE January 20, 2016

New SOA curve - Fig 13. Maximum Safe Operating Area

