## PRODUCT CHANGE NOTICE

1. **Title**: IRHM7160 Electrical Characteristics

2. **Document Number**: FV5-C-18-0063

3. **Date**: June 1, 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**: June 1, 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-19500/663

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.

**IRHM7160 (2N7432)**  
100V, N-Channel TID Hardened MOSFET in a TO-254AA package

### Absolute Maximum Ratings Pre-Irradiation

- **ID @ TC = 100°C [Continuous Drain Current]**, change maximum rating from 32A to 35A

### Electrical Characteristics @ Tj = 25°C

- **RDS(on) [Static Drain-to-Source On-State Resistance]**, change test condition current from 32A to 35A  
- **gfs [Forward Transconductance]**, change test condition current from 32A to 35A

### Radiation Characteristics Change:

Table 1 Electrical Characteristics @ Tj = 25°C, Post Total Dose Irradiation

- **IDSS [Zero Gate Voltage Drain Current]**:  
  - For 300K-1000K Rads(Si), change maximum limit from 25 µA to 50 µA

- **RDS(on) [Static Drain-to-Source On-State Resistance] (TO-3)**:  
  - ID [Drain Current], change test condition current from 32A to 35A

Reference Datasheet PD-91331

15. **Approving Government Activity**: Paul Hebert  
   June 1, 2018

16. **GIDEP Representative**: Paul Hebert  
   June 1, 2018

**GIDEP Form 97-5**