1. TITLE
IRHN7250, Radiation Test (TID) Specification Change

2. DOCUMENT NUMBER
FV5-C-17-0041

3. DATE
September 18, 2017

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
September 18, 2017

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-19500/603

14. PRODUCT CHANGE
This GIDEP PCN is to announce a change in the Radiation Test (TID) specifications for the following part number. Datasheet change to match MIL-PRF-19500/603 TID test limits.

IRHN7250 [MIL-PRF-19500/603]
200V, Single N-Channel TID Hardened MOSFET in a SMD-1 package

RADIATION CHARACTERISTICS CHANGE:
Table 1 Electrical Characteristics @ Tj = 25°C, Post Total Dose Irradiation

RDS(on) Static Drain-to-Source On-State Resistance (TO-3)
-For 100K Rads(Si), change from 0.094 ohm to 0.10 ohm maximum
-For 300K - 1000K Rads(Si), change from 0.149 ohm to 0.155 ohm maximum

Ioss Zero Gate Voltage Drain Current
-For Vos, change Test Condition from 80V to 160V

Reference Datasheet PD-90679

16. APPROVING GOVERNMENT ACTIVITY

17. GIDEP REPRESENTATIVE
Paul Hebert

18. SIGNATURE

19. DATE
September 18, 2017

GIDEP Form 97-5