**PRODUCT CHANGE NOTICE**

1. **TITLE**
   
   IRFF110 Electrical Characteristics

2. **DOCUMENT NUMBER**
   
   FV5-C-18-0049

3. **DATE**
   
   April 10, 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**
   
   April 10, 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-19500/556

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.

**IRFF110 [2N6782]**

100V, N-Channel Hi-Rel MOSFET in a TO-205AF package

**ELECTRICAL CHARACTERISTICS @ Tj = 25°C**

- $R_{DS(on)}^2$ [Static Drain-to-Source On-State Resistance], change max limit from 0.69Ω to 0.61Ω.
- $Q_g$ [Total Gate Charge], change max limit from 6.5nC to 8.1nC.
- $Q_{gs}$ [Gate-to-Source Charge], change max limit from 1.6nC to 1.7nC.
- $Q_{gd}$ [Gate-to-Drain (‘Miller’) Charge], change max limit from 3.5nC to 4.5nC.

Remove Gate Charge minimum limits.

Reference Datasheet PD-90423

16. **APPROVING GOVERNMENT ACTIVITY**

17. **GIDEP REPRESENTATIVE**

   Paul Hebert

18. **SIGNATURE**

19. **DATE**

   April 10, 2018