**title**

IRFE9230 Electrical Characteristics

**document number**

FV5-C-19-0023

**date**

January 14, 2019

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4. MANUFACTURER AND ADDRESS

International Rectifier HiRel Products, Inc
205 Crawford Street
Leominster, MA 01453

5. MANUFACTURER PART NUMBER

See below for IR HiRel Part Numbers

6. BASE PART

NA

7. NATIONAL STOCK NUMBER (NSN)

NA

8. CAGE

69210

9. EFFECTIVE DATE

January 14, 2019

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-19500/564

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14. PRODUCT CHANGE

This GIDEP PCN is to announce specifications change with the datasheet parameters for the following International Rectifier HiRel Part Number. Note that this change is related to part specification only, and not due to a die physical change.

**IRFE9230 [2N6851U]**

-200V, P-Channel MOSFET in a 18-pin LCC package

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

- $R_{DS(on)}$ [Static Drain-to-Source On-State Resistance], change max limit from 1.68Ω to 0.83Ω.
- $Q_g$ [Total Gate Charge], change max limit from 35nC to 34.8nC.
- $Q_{gd}$ [Gate-to-Drain (‘Miller’) Charge], change max limit from 21nC to 20.5nC.
- For Time Switching [$t_{(on)}$, $t_r$, $t_{(off)}$ and $t_f$], change test condition VDD from -100V to -75V and add VGS = -10V.

Reference Datasheet PD-91717.

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16. APPROVING GOVERNMENT ACTIVITY

Paul Hebert

17. GIDEP REPRESENTATIVE

18. SIGNATURE

19. DATE

January 14, 2019