

# PRODUCT CHANGE NOTICE

<b>1. TITLE</b> IR RADHard™ Power MOSFET / Performance Change	<b>2. DOCUMENT NUMBER</b> FV5-C-10-0002
	<b>3. DATE</b> February 11, 2010

<b>4. MANUFACTURER AND ADDRESS</b> International Rectifier 205 Crawford Street Leominster, MA 01453	<b>5. MANUFACTURER PART NUMBER</b> See Table 1 for IR Part Numbers
	<b>6. BASE PART</b> Not Available
	<b>7. NATIONAL STOCK NUMBER (NSN)</b> Not Available

<b>8. CAGE</b> 69210	<b>9. EFFECTIVE DATE</b> February 1, 2010	<b>10. GOVERNMENT NUMBER</b> Not Available
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<b>11. POINT OF CONTACT</b> Manufacturer's Representative or Customer Service Representative (978) 534-5776	<b>12. DRAWING NUMBER</b> Not Available
	<b>13. SPECIFICATION NUMBER</b> MIL-PRF-19500

**14. PRODUCT CHANGE**

This GIDEP PCN is to announce specification changes for Gate Charge, Forward Transconductance and SOA (Safe Operating Area) on the following IR RADHard™ Power MOSFET products. Refer to Table 1 below for the affected part numbers.

Table 1 – IR Part Changes

IR Part No.	Voltage	Type	Package
IRHNJ57234SE	250V	N-ch	SMD-0.5
IRHY57234CMSE	250V	N-ch	TO-257AA
IRHF57234SE	250V	N-ch	TO-39
IRHE57234SE	250V	N-ch	LCC-18

1) Gate Charge:  
 Change Qg max limit from 28nC to 32nC  
 Change Qgs max limit from 7.4nC to 11nC  
 Change Qgd max limit from 12nC to 16nC

2) Forward Transconductance (IRHNJ57234SE & IRHY57234SE ONLY):  
 Change GFS from 6mho to 4mho

3) SOA (Safe Operating Area):  
 Refer to attached curves in Addendum A herein for change detail.

Product qualification is in accordance with the performance requirements of MIL-PRF-19500, JANS, including QCI, Group A, B, C, D and Group E.

This GIDEP PCN is issued in conjunction with GIDEP FV5-D-10-01.

<b>15. APPROVAL DATE</b> NOT APPLICABLE	<b>16. APPROVING GOVERNMENT ACTIVITY</b> NOT APPLICABLE
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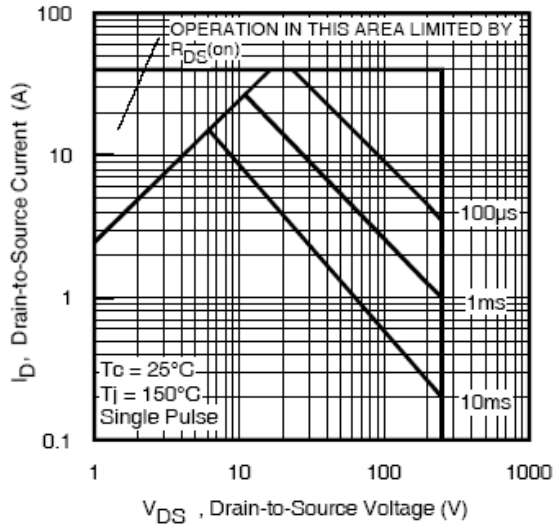
<b>17. GIDEP REPRESENTATIVE</b> Paul Hebert	<b>18. SIGNATURE</b> 	<b>19. DATE</b> February 11, 2010
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ADDENDUM A

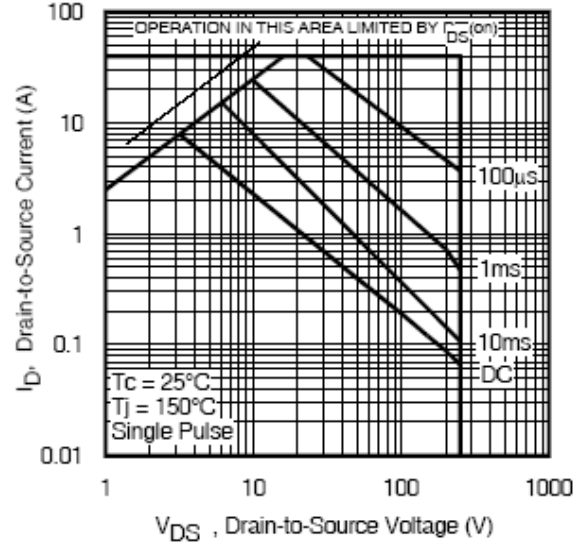
Safe Operating Area Curves

**IRHNJ57234SE**

From

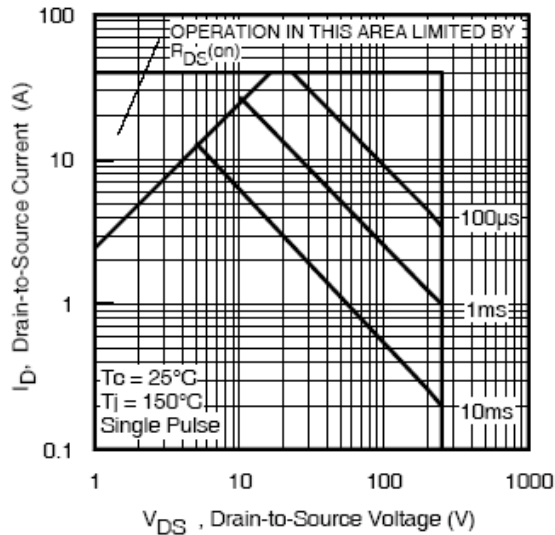


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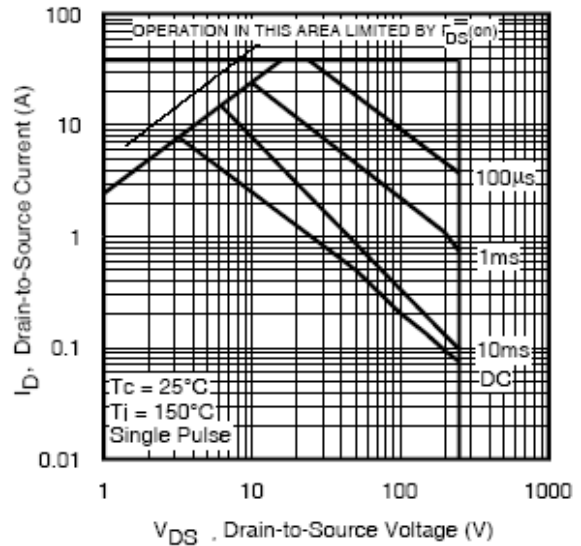


**IRHY57234SE**

From

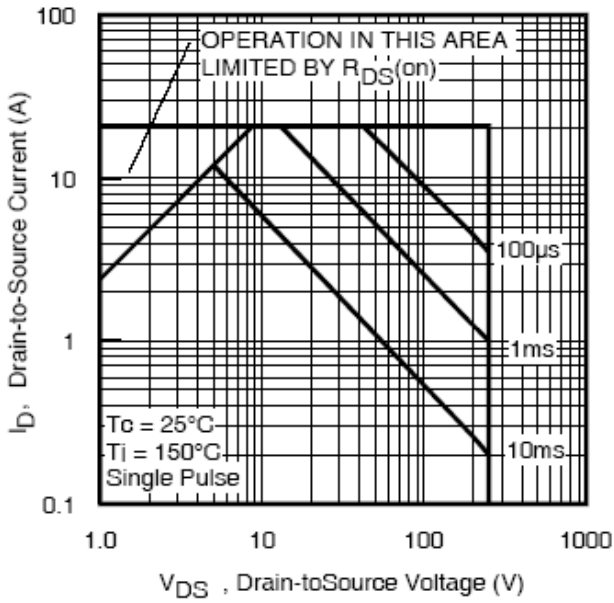


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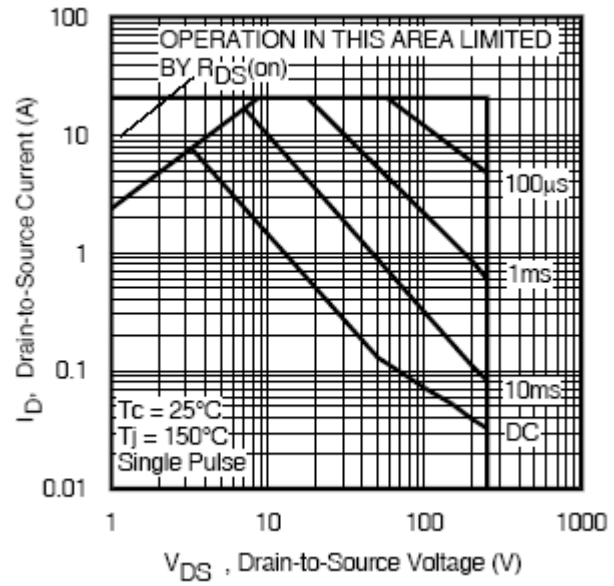


# IRHF57234SE

From

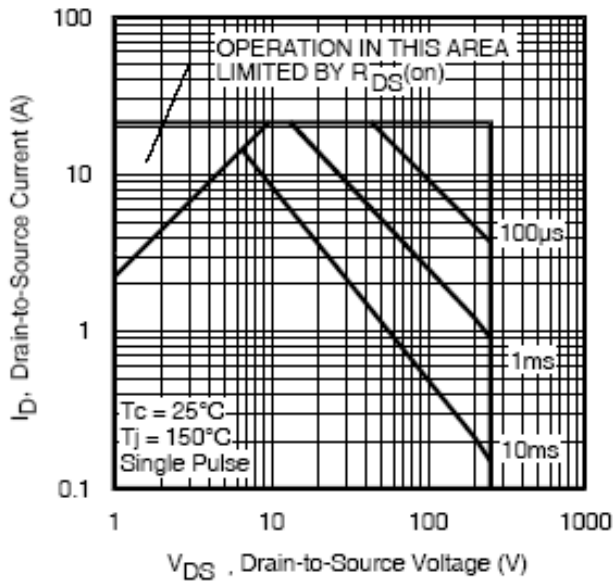


To



# IRHE57234SE

From



To

