GOVERNMENT - INDUSTRY DATA EXCHANGE PROGRAM

PRODUCT CHANGE NOTICE

1. TITLE
IRHG567110, SEE Characteristics

2. DOCUMENT NUMBER
FV5-C-15-0019

3. DATE
May 13, 2015

4. MANUFACTURER AND ADDRESS
International Rectifier
205 Crawford Street
Leominster, MA 01453

5. MANUFACTURER PART NUMBER
See below for IR Part Number

6. BASE PART
NA

7. NATIONAL STOCK NUMBER (NSN)
NA

8. EFFECTIVE DATE
May 13, 2015

9. EFFECTIVE DATE
May 13, 2015

10. GOVERNMENT NUMBER
NA

11. POINT OF CONTACT
Manufacturer’s Representative or
Customer Service Representative (978) 534-5776

12. DRAWING NUMBER
NA

13. SPECIFICATION NUMBER
MIL-PRF-19500

14. PRODUCT CHANGE
This GIDEP PCN is to announce a change in the TID / SEE characteristics for the following International Rectifier Part No.

IRHG567110
100V Dual 2N- and 2P- Channel MOSFET in a MO-036AB package

Datasheet updated with new SEE characteristics (N-Channel die ONLY)

FROM:

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Table 2. Single Event Effect Safe Operating Area (Per Die)

<table>
<thead>
<tr>
<th>Ion</th>
<th>LET (MeV/(mg/cm²))</th>
<th>Energy (MeV)</th>
<th>Range (μm)</th>
<th>VDS (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>@VGS=0V</td>
<td>@VGS=-5V</td>
</tr>
<tr>
<td>Br</td>
<td>36.7</td>
<td>309</td>
<td>39.5</td>
<td>100</td>
</tr>
<tr>
<td>I</td>
<td>59.8</td>
<td>341</td>
<td>32.5</td>
<td>100</td>
</tr>
</tbody>
</table>

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Fig a. Single Event Effect, Safe Operating Area

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16. APPROVING GOVERNMENT ACTIVITY

17. GIDEP REPRESENTATIVE
Paul Hebert

18. SIGNATURE

19. DATE
May 13, 2015
Table 2. Typical Single Event Effect Safe Operating Area

<table>
<thead>
<tr>
<th>LET (MeV/(mg/cm²))</th>
<th>Energy (MeV)</th>
<th>Range (µm)</th>
<th>VDS (V) @VGS = 0V</th>
<th>VDS (V) @VGS = -5V</th>
<th>VDS (V) @VGS = -10V</th>
<th>VDS (V) @VGS = -15V</th>
<th>VDS (V) @VGS = -20V</th>
</tr>
</thead>
<tbody>
<tr>
<td>38 ± 5%</td>
<td>300 ± 7.5%</td>
<td>38 ± 7.5%</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>61 ± 5%</td>
<td>330 ± 7.5%</td>
<td>31 ± 10%</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>35</td>
<td>25</td>
</tr>
<tr>
<td>84 ± 5%</td>
<td>350 ± 10%</td>
<td>28 ± 7.5%</td>
<td>100</td>
<td>100</td>
<td>80</td>
<td>25</td>
<td>-</td>
</tr>
</tbody>
</table>

Fig a. Typical Single Event Effect, Safe Operating Area

Reference: IR Datasheet PD-94246