GOVERNMENT - INDUSTRY DATA EXCHANGE PROGRAM

PRODUCT CHANGE NOTICE

1. TITLE
IRHF597110, SEE Characteristics

2. DOCUMENT NUMBER
FV5-C-15-026

3. DATE

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. CAGE
69210

9. EFFECTIVE DATE
8/7/2015

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.

IRHF597110
100V Rad Hi-Rel TID Hardened P Channel MOSFET in a TO-39 package

Datasheet updated with new SEE characteristics

FROM:

Table 2. Single Event Effect Safe Operating Area

<table>
<thead>
<tr>
<th>Ion</th>
<th>LET MeV/(mg/cm²)</th>
<th>Energy (MeV)</th>
<th>Range (µm)</th>
<th>@VGS=0V</th>
<th>@VGS=5V</th>
<th>@VGS=10V</th>
<th>@VGS=15V</th>
<th>@VGS=20V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu</td>
<td>28.0</td>
<td>285</td>
<td>43.0</td>
<td>-100</td>
<td>-100</td>
<td>-100</td>
<td>-70</td>
<td>-60</td>
</tr>
<tr>
<td>Br</td>
<td>36.8</td>
<td>305</td>
<td>39.0</td>
<td>-100</td>
<td>-100</td>
<td>-70</td>
<td>-50</td>
<td>-40</td>
</tr>
<tr>
<td>I</td>
<td>59.8</td>
<td>343</td>
<td>32.6</td>
<td>-60</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

16. APPROVING GOVERNMENT ACTIVITY

Paul Hebert

17. GIDEP REPRESENTATIVE

18. SIGNATURE

19. DATE
May 13, 2015

GIDEP Form 97-5
To:

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>@ VGS = 0V</th>
<th>@ VGS = 5V</th>
<th>@ VGS = 10V</th>
<th>@ VGS = 15V</th>
<th>@ VGS = 20V</th>
</tr>
</thead>
<tbody>
<tr>
<td>38 ± 5%</td>
<td>270 ± 7.5%</td>
<td>35 ± 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>30 ± 7.5%</td>
<td>-100</td>
<td>-100</td>
<td>-100</td>
<td>-100</td>
<td>-25</td>
</tr>
<tr>
<td>84 ± 5%</td>
<td>350 ± 7.5%</td>
<td>28 ± 7.5%</td>
<td>-100</td>
<td>-100</td>
<td>-100</td>
<td>-30</td>
<td>-</td>
</tr>
</tbody>
</table>

Reference: IR Datasheet PD-94176