**IRHNA9160, Radiation Test (TID) Specification Change**

- **Title:** IRHNA9160, Radiation Test (TID) Specification Change
- **Document Number:** FV5-C-17-0038
- **Date:** September 18, 2017
- **Manufacturer:** International Rectifier HiRel Products, Inc
  - Address: 205 Crawford Street, Leominster, MA 01453
- **IR Part Numbers:**
  - See below for IR Part Numbers
- **Base Part:** NA
- **National Stock Number (NSN):** NA
- **CAGE:** 69210
- **Effective Date:** September 18, 2017
- **Government Number:** NA
- **Point of Contact:**
  - Manufacturer’s Representative or Account Specialist (978) 534-5776
- **Drawing Number:** NA
- **Specification Number:** MIL-PRF-19500/655

**Product Change**

This GIDEP PCN is to announce a change in the Radiation Test (TID) specifications for the following part number. Datasheet change to match MIL-PRF-19500/655 TID test limits.

**IRHNA9160 [MIL-PRF-19500/655]**

-100V, Single P-Channel TID Hardened MOSFET in a SMD-2 package

**Radiation Characteristics Change:**

**Table 1 Electrical Characteristics @ Tj = 25°C, Post Total Dose Irradiation**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Original Value</th>
<th>New Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDS(on) Static Drain-to-Source On-State Resistance (TO-3)</td>
<td>0.069 ohm</td>
<td>0.068 ohm</td>
</tr>
<tr>
<td>-For 100K Rads(Si), change from 0.069 ohm to 0.068 ohm maximum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-For 300K Rads(Si), change from 0.069 ohm to 0.068 ohm maximum</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reference Datasheet PD-91433

**Approving Government Activity**

**GIDEP Representative:** Paul Hebert

**Signature:**

**Date:** September 18, 2017

GIDEP Form 97-5