**RedyKit™ for the ADP151 LDO**

**FEATURES**
- All-voltage option for evaluation
- Surface-mount ADP151 parts that can be easily soldered
- Additional parts for prototyping

**ADP151UJZ-REDYKIT CONTENTS**
- One ADP151-3.3-EVALZ evaluation board, $V_{OUT} = 3.3$ V
- One ADP151-2.8-EVALZ evaluation board, $V_{OUT} = 2.8$ V
- Five additional ADP151 voltage options in a labeled bag

**ADP151CPZ-REDYKIT CONTENTS**
- One ADP151-3.3-EVALZ evaluation board, $V_{OUT} = 3.3$ V
- One ADP151-2.8-EVALZ evaluation board, $V_{OUT} = 2.8$ V
- Six additional ADP151 voltage options in a labeled bag

**GENERAL DESCRIPTION**
The ADP151UJZ-RedyKit and ADP151CPZ-RedyKit allow simplified prototyping and evaluation and are available for every standard fixed output voltage option in the ADP151 product family. This allows the user to evaluate the voltage options with one easy-to-order kit.

All surface-mount ADP151 parts are sorted and stored in the kits with the Analog Devices, Inc., part number and fixed output voltage clearly printed on each zip-top bag (see Figure 1 and Figure 2).

The kits can be used in the engineering lab to evaluate required voltage options. If other voltage options must be evaluated, a different part from the kits can be easily soldered onto one of the evaluation boards supplied with the kit.

The ADP151UJZ-RedyKit and ADP151CPZ-RedyKit are available with fixed 3.3 V and 2.8 V evaluation boards. The kits also contains additional parts for prototyping. The kits, which contains individually packaged parts and the two evaluation boards, are packaged in an ESD foam pad inside a treated cardboard box that measures 8.7” (L) × 7.9” (W) × 1.75” (H), that is, 22 cm (L) × 20 cm (W) × 4.5 cm (H).

For additional information, also see the ADP151 evaluation board user guide, UG-116.

**REDYKIT PACKAGES**

![Figure 1. ADP151UJZ-RedyKit](image1.png)

![Figure 2. ADP151CPZ-RedyKit](image2.png)
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REVISION HISTORY

6/11—Rev. A to Rev. B
Change to ADP151UJZ-RedyKit Contents Section and
ADP151CPZ-RedyKit Contents Section............................... 1
Changes to Figure 1 and Figure 2................................................... 1
Deleted Figure 3 and Figure 4......................................................... 3
Changes to Table 1 and Table 2....................................................... 6

1/11—Rev. 0 to Rev. A
Added ADP151CPZ-RedyKit Contents Section and Figure 2;
Renumbered Sequentially............................................................. 1
Changes to General Description Section................................. 1
Moved and Changes to Figure 3..................................................... 3
Added Figure 4................................................................................. 3
Added Figure 7 and Figure 8.......................................................... 5
Added Table 2................................................................................. 6

7/10—Revision 0: Initial Version
EVALUATION BOARD SCHEMATICS AND ARTWORK

Figure 3. ADP151UJZ-RedyKit Evaluation Board Schematic

Figure 4. ADP151UJZ-RedyKit Evaluation Board Layout
NC = NO CONNECT. DO NOT CONNECT TO THIS PIN.

Figure 5. ADP151CPZ-RedyKit Evaluation Board Schematic

Figure 6. ADP151CPZ-RedyKit Evaluation Board Layout
## ORDERING INFORMATION

**REDYKIT BILL OF MATERIALS (BOMs)**

### Table 1. ADP151UJZ-RedyKit BOM

<table>
<thead>
<tr>
<th>Qty</th>
<th>Model</th>
<th>Output Voltage (V&lt;sub&gt;out&lt;/sub&gt;)</th>
<th>Maximum Current</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ADP151-3.3-EVALZ</td>
<td>3.3 V</td>
<td>200 mA</td>
<td>Evaluation board</td>
</tr>
<tr>
<td>1</td>
<td>ADP151-2.8-EVALZ</td>
<td>2.8 V</td>
<td>200 mA</td>
<td>Evaluation board</td>
</tr>
<tr>
<td>3</td>
<td>ADP151AUJZ-1.2-R7</td>
<td>1.2 V</td>
<td>200 mA</td>
<td>5-lead TSOT</td>
</tr>
<tr>
<td>3</td>
<td>ADP151AUJZ-1.5-R7</td>
<td>1.5 V</td>
<td>200 mA</td>
<td>5-lead TSOT</td>
</tr>
<tr>
<td>3</td>
<td>ADP151AUJZ-1.8-R7</td>
<td>1.8 V</td>
<td>200 mA</td>
<td>5-lead TSOT</td>
</tr>
<tr>
<td>3</td>
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<td>2.5 V</td>
<td>200 mA</td>
<td>5-lead TSOT</td>
</tr>
<tr>
<td>3</td>
<td>ADP151AUJZ-3.0-R7</td>
<td>3.0 V</td>
<td>200 mA</td>
<td>5-lead TSOT</td>
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</table>

### Table 2. ADP151CPZ-RedyKit BOM

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<tr>
<th>Qty</th>
<th>Model</th>
<th>Output Voltage (V&lt;sub&gt;out&lt;/sub&gt;)</th>
<th>Maximum Current</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ADP151CP-3.3-EVALZ</td>
<td>3.3 V</td>
<td>200 mA</td>
<td>Evaluation board</td>
</tr>
<tr>
<td>1</td>
<td>ADP151CP-2.8-EVALZ</td>
<td>2.8 V</td>
<td>200 mA</td>
<td>Evaluation board</td>
</tr>
<tr>
<td>3</td>
<td>ADP151ACPZ-1.2-R7</td>
<td>1.2 V</td>
<td>200 mA</td>
<td>6-lead LFCSP</td>
</tr>
<tr>
<td>3</td>
<td>ADP151ACPZ-1.5-R7</td>
<td>1.5 V</td>
<td>200 mA</td>
<td>6-lead LFCSP</td>
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<tr>
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<td>ADP151ACPZ-1.8-R7</td>
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<td>3</td>
<td>ADP151ACPZ-2.7-R7</td>
<td>2.7 V</td>
<td>200 mA</td>
<td>6-lead LFCSP</td>
</tr>
<tr>
<td>3</td>
<td>ADP151ACPZ-3.0-R7</td>
<td>3.0 V</td>
<td>200 mA</td>
<td>6-lead LFCSP</td>
</tr>
</tbody>
</table>
NOTES

ESD Caution
ESD (electrostatic discharge) sensitive device. Charged devices and circuit boards can discharge without detection. Although this product features patented or proprietary protection circuitry, damage may occur on devices subjected to high energy ESD. Therefore, proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

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By using the evaluation board discussed herein (together with any tools, components documentation or support materials, the “Evaluation Board”), you are agreeing to be bound by the terms and conditions set forth below (“Agreement”) unless you have purchased the Evaluation Board, in which case the Analog Devices Standard Terms and Conditions of Sale shall govern. Do not use the Evaluation Board until you have read and agreed to the Agreement. Your use of the Evaluation Board shall signify your acceptance of the Agreement. Do not use the Evaluation Board except as permitted under the Agreement. In the event of any inconsistency between this Agreement and the Analog Devices Standard Terms and Conditions of Sale, the terms of this Agreement shall govern.

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