RedyKits for the ADP7102 Low Dropout (LDO) Linear Regulator

FEATURES
Several voltage options for evaluation
Surface-mount ADP7102 8-lead, exposed pad SOIC and LFCSP parts that can be easily soldered to the evaluation boards
Additional parts for prototyping

ADP7102RDZ-REDYKIT CONTENTS
1 ADP7102RD-EVALZ SOIC evaluation board with 3.3 V output
6 ADP7102 SOIC voltage options in a labeled bag

ADP7102CPZ-REDYKIT CONTENTS
1 ADP7102CP-EVALZ LFCSP evaluation board with 3.3 V output
6 ADP7102 LFCSP voltage options in a labeled bag

GENERAL DESCRIPTION
The ADP7102RDZ-REDYKIT™ and ADP7102CPZ-REDYKIT allow simplified prototyping and evaluation and are available for several standard fixed output voltage options in the ADP7102 product family. The RedyKits allow the user to evaluate the voltage options with two easy-to-order kits.

All surface-mount ADP7102 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.

The kits can be used in the engineering lab to evaluate different 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 each kit.

The ADP7102RDZ-REDYKIT and ADP7102CPZ-REDYKIT are available with a fixed 3.3 V output voltage evaluation board. The kits also contain additional parts for prototyping.

The kit enclosure, which contains individually packaged parts and the evaluation board, is 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).

The user guide for the ADP7102 evaluation boards is the UG-218.
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REVISION HISTORY

10/11—Revision 0: Initial Version
EVALUATION BOARD LAYOUT AND CIRCUIT DIAGRAM

Figure 3. ADP7102 Evaluation Board Layout, SOIC

Figure 4. ADP7102 Evaluation Board Circuit, SOIC
Figure 5. ADP7102 Evaluation Board Layout, LFCSP

Figure 6. ADP7102 Evaluation Board Schematic, LFCSP
# ORDERING INFORMATION

## BILL OF MATERIALS

### Table 1. ADP7102RDZ-REDYKIT

<table>
<thead>
<tr>
<th>Qty</th>
<th>Model</th>
<th>Output Voltage (V)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>ADP7102ARDZ-1.5-R7</td>
<td>1.5</td>
<td>8-Lead SOIC_N_EP</td>
</tr>
<tr>
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<td>8-Lead SOIC_N_EP</td>
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<tr>
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<td>8-Lead SOIC_N_EP</td>
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<tr>
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<td>ADP7102ARDZ-5.0-R7</td>
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<td>8-Lead SOIC_N_EP</td>
</tr>
<tr>
<td>3</td>
<td>ADP7102ARDZ-9.0-R7</td>
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<td>8-Lead SOIC_N_EP</td>
</tr>
<tr>
<td>1</td>
<td>ADP7102RD-EVALZ</td>
<td>3.3</td>
<td>SOIC evaluation board</td>
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### Table 2. ADP7102CPZ-REDYKIT

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<th>Qty</th>
<th>Model</th>
<th>Output Voltage (V)</th>
<th>Description</th>
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</thead>
<tbody>
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<td>1.5</td>
<td>8-Lead LFCSP_WD</td>
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<td>ADP7102ACPZ-1.8-R7</td>
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<td>8-Lead LFCSP_WD</td>
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<td>ADP7102ACPZ-2.5-R7</td>
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<td>8-Lead LFCSP_WD</td>
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<td>8-Lead LFCSP_WD</td>
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<tr>
<td>3</td>
<td>ADP7102ACPZ-5.0-R7</td>
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<td>8-Lead LFCSP_WD</td>
</tr>
<tr>
<td>3</td>
<td>ADP7102ACPZ-9.0-R7</td>
<td>9.0</td>
<td>8-Lead LFCSP_WD</td>
</tr>
<tr>
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<td>ADP7102CP-EVALZ</td>
<td>3.3</td>
<td>LFCSP evaluation board</td>
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</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.

Legal Terms and Conditions

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