

RedyKit™ for the ADP2108 Buck Converter

FEATURES

- All-voltage option for evaluation
- Surface-mount **ADP2108** 5-lead TSOT parts that can be easily soldered to the evaluation boards
- Additional parts for prototyping

ADP2108UJZ-REDYKIT CONTENTS

- 1 each ADP2108-1.2-EVALZ evaluation board V_{OUT} 1.2 V
- 1 each ADP2108-3.3-EVALZ evaluation board V_{OUT} 3.3 V
- 3 each ADP2108 voltage options in a labeled bag



Figure 1. ADP2108UJZ-REDYKIT

TYPICAL APPLICATION CIRCUIT

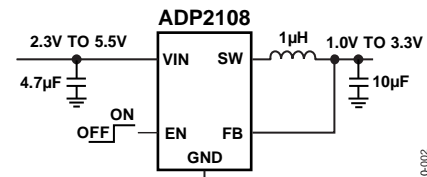


Figure 2.

GENERAL DESCRIPTION

The ADP2108UJZ-REDYKIT allows simplified prototyping and evaluation and is available for every standard fixed output voltage option in the ADP2108 product family. The kit allows the user to evaluate the voltage options with one easy-to-order kit.

All surface-mount ADP2108 parts come sorted and stored in the kit with the Analog Devices, Inc., part number and fixed output voltage clearly printed on each zip-top bag.

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

The ADP2108UJZ-REDYKIT is available with fixed 1.2 V and 3.3 V output evaluation boards. The kit also contains additional parts for prototyping. The kit enclosure, which contains individually packaged parts and the two evaluation boards, comes 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 ADP2108 evaluation board data sheet, EVAL-ADP2108, can be found at www.analog.com.

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REVISION HISTORY

6/10—Rev. 0 to Rev. A

Added RedyKit TrademarkUniversal

12/09—Revision 0: Initial Version

EVALUATION BOARD LAYOUT AND SCHEMATIC

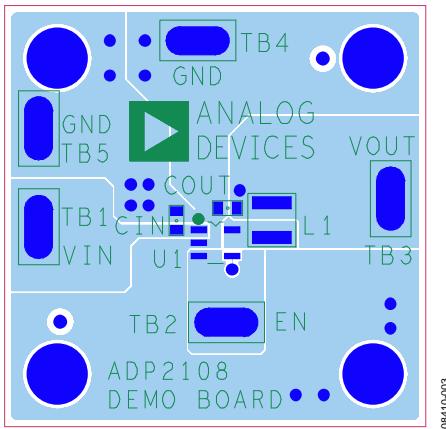


Figure 3. ADP2108 Evaluation Board

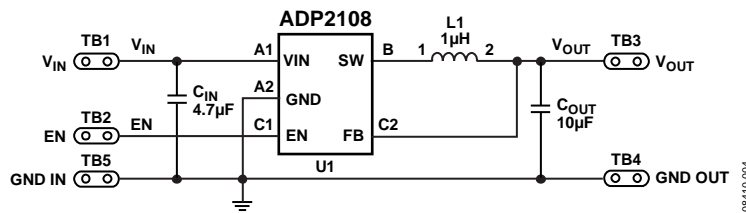


Figure 4. ADP2108 Evaluation Board Schematic

REDYKIT BILL OF MATERIALS

Table 1.

Qty	Model	Output Voltage	Load Current	Description
1	ADP2108-1.2-EVALZ	1.2 V	N/A ¹	Evaluation board
1	ADP2108-3.3-EVALZ	3.3 V	N/A ¹	Evaluation board
3	ADP2108AUJZ-1.0-R7	1.0 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-1.1-R7	1.1 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-1.2-R7	1.2 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-1.3-R7	1.3 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-1.5-R7	1.5 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-1.8-R7	1.8 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-1.82R7	1.82 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-2.3-R7	2.3 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-2.5-R7	2.5 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-3.0-R7	3.0 V	600 mA	5-lead lead thin small outline transistor package (TSOT)
3	ADP2108AUJZ-3.3-R7	3.3 V	600 mA	5-lead lead thin small outline transistor package (TSOT)

¹ N/A is not applicable.



Figure 5. ADP2108UJZ-REDYKIT Contents



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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