

# **Evaluation Kit**

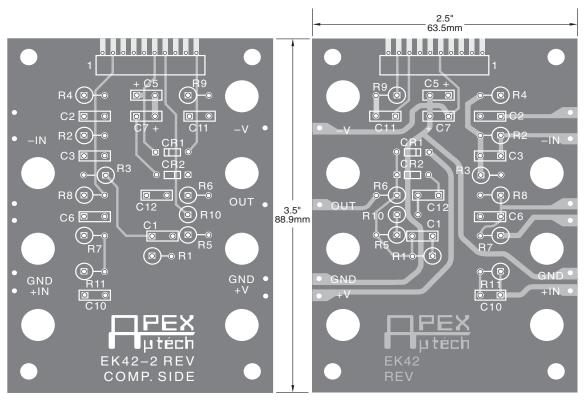
### **APPLICABLE PARTS (SOLD SEPARATELY)**

- PA15FL
- PA341DW
- PA441DW Pin-Outs

#### INTRODUCTION

Fast, easy breadboarding of circuits using the PA341DW and PA441DW and the PA15 are possible with the EK42 PC board. Mounting holes are provided and the provision for standard banana jacks simplifies connection and testing. The amplifier may be mounted horizontally or vertically components are labeled on both sides of the board for ease in probing.

Figure 1: PCB Board

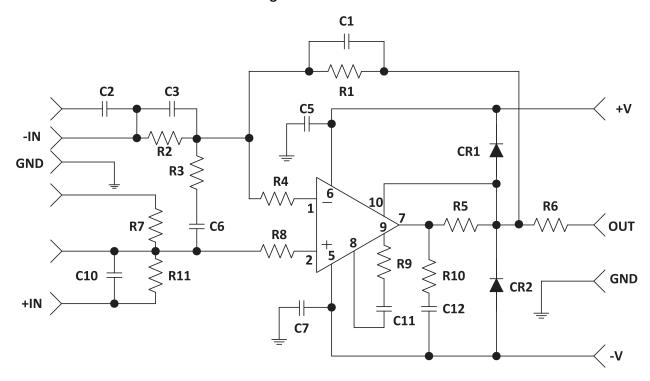


NOTE: Illustration only, not to exact scale



## **EVALUATION KIT SCHEMATIC AND BOM**

Figure 2: EK Schematic



CAUTION

High voltages will be present. Use Caution in handling and probing when power is applied.

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### RECOMMENDED PARTS LIST

A multitude of circuit configurations are possible, so only several component locations have specific functions and will usually be necessary:

Reference	Description
C5, C7	Power supply bypass capacitors must be used. The typical ceramic values range from $0.01$ to $0.1\mu F$ . See Application Note 1.
R1	Feedback resistor
R2	Input resistor
R9, C11	Compensation (see amplifier data sheet)
R5	Current limit (see amplifier data sheet)
R7	Most often used as input bias current return for +input in non-inverting circuits.
R3, C6	Noise gain compensation. Necessary only occasionally, see Application Notes 19 and 25.

If not utilized the following locations should be jumpered to ensure operation. See the location most common anticipated function below.

Reference	Description
R4, R8	Input Protection
R11	General Purpose
R6	Output Current Sense

The function of any other components is up to the designer's needs and imagination.

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