

## Evaluation Kit

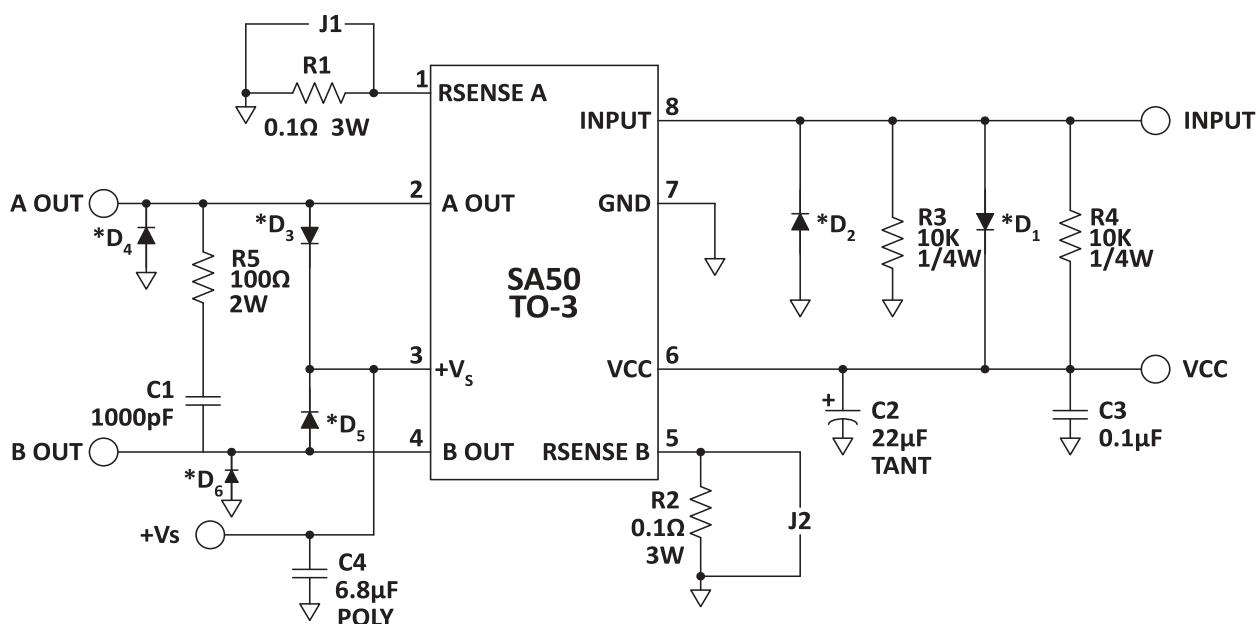
### APPLICABLE PARTS (SOLD SEPARATELY)

- SA50

### INTRODUCTION

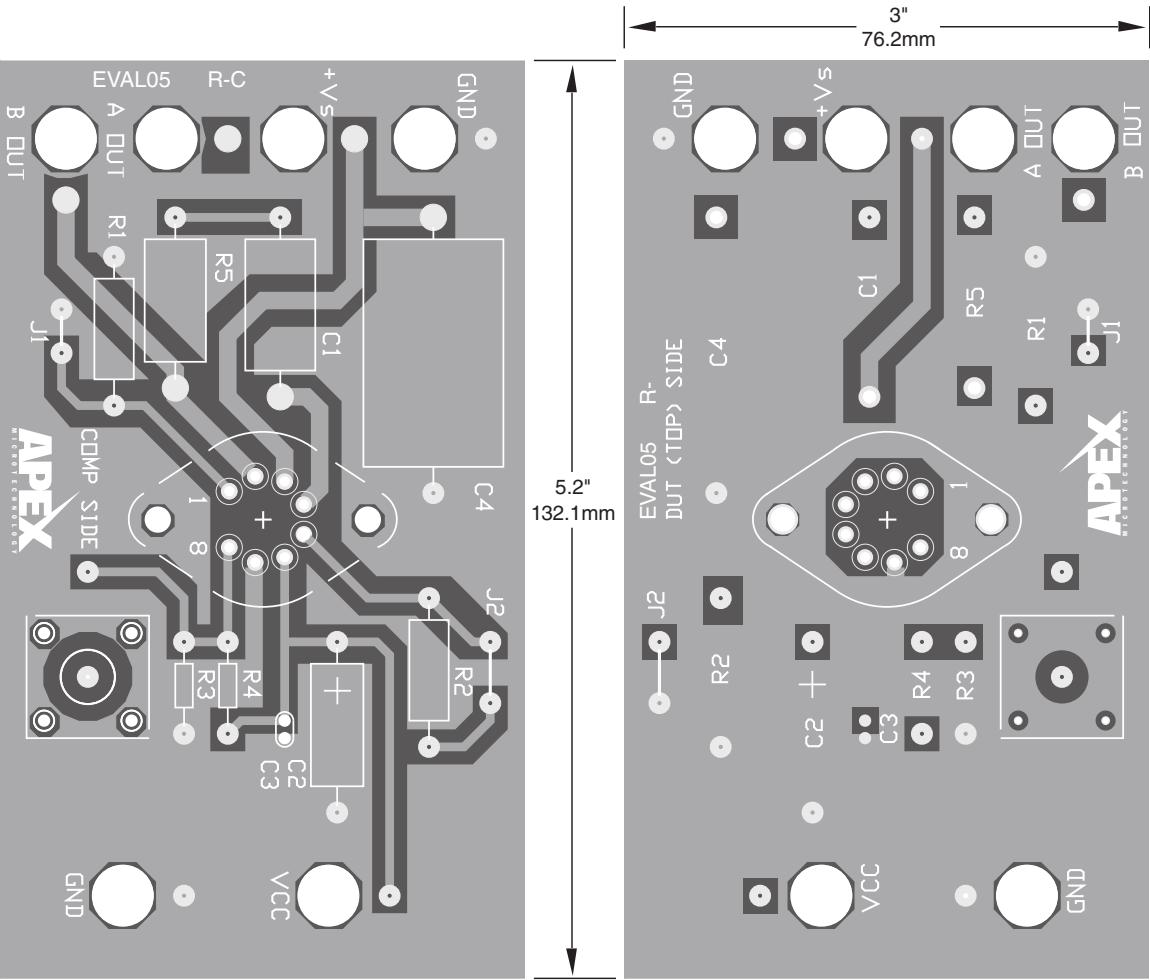
Fast, easy breadboarding of circuits using the SA50 are possible with the EVAL05 PC board. Mounting holes are provided and the provision for standard banana jacks simplifies connection and testing. Components are labeled on both sides of the board for ease in probing.

Figure 1: Equivalent Schematic



\*D1 and D2 – Input Protection, high speed such as 1N4148.  
D3 through D6 – Flyback protection, high speed (<200ns).  
Solder as close to SA50 as possible  
These components do not have designations on the PC Board.

Figure 2: PCB



## TYPICAL COMPONENT FUNCTIONS

Component	Function
C2, C3, C4	Power supply bypass capacitors
R3, R4	Resistor divider to set the input voltage at 50% of Vcc under nominal conditions
R5, C1	Snubber network
R1, R2	Current sensing resistors or jumpered to ground

## PARTS LIST

Reference	Manufacturer Part #	Description	QTY
	EVAL05	P.C. Board	1
	HS14	Heatsink	1
	MS03	Mating Socket	1
	TW03	Thermal Washers	1 Bag of 10

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