





# Evaluation Kit for 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.

#### TYPICAL COMPONENT FUNCTIONS

C2, C3, C4 Power supply bypass capacitors

R3, R4 Resistor divider to set the input voltage at 50% of Vcc under nominal conditons

R5, C1 Snubber network

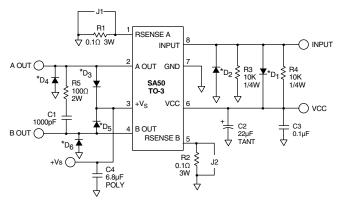
R1, R2 Current sensing resistors or jumpered to

ground

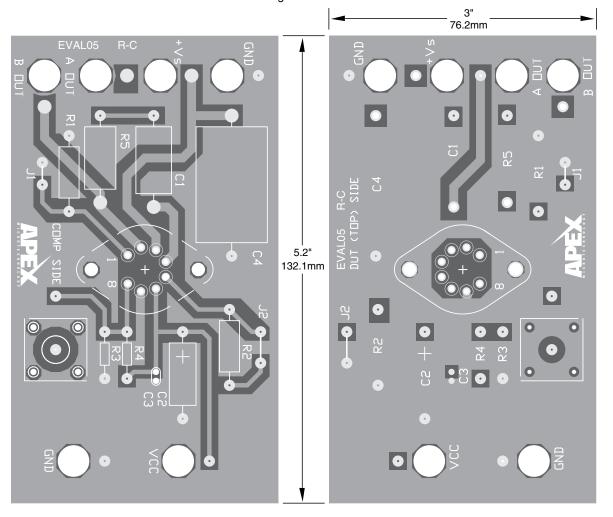
## **PARTS LIST**

Part #	Description	Quantity
EVAL05	P.C. Board	1
HS14	Heatsink	1
MS03	Mating Socket	1
TW03	Thermal Washers	1 bag of 10

#### **EQUIVALENT SCHEMATIC**



 $^*$  D<sub>1</sub> and D<sub>2</sub> – Input protection, high speed such as IN4148. D<sub>3</sub> through D<sub>6</sub> – Flyback protection, high speed (<200nS). Solder as close to SA50 as possible.



NOTE: Illustration only, not to exact scale.







## CONTACTING CIRRUS LOGIC SUPPORT

For all Apex Precision Power product questions and inquiries, call toll free 800-546-2739 in North America. For inquiries via email, please contact apex.support@cirrus.com.

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