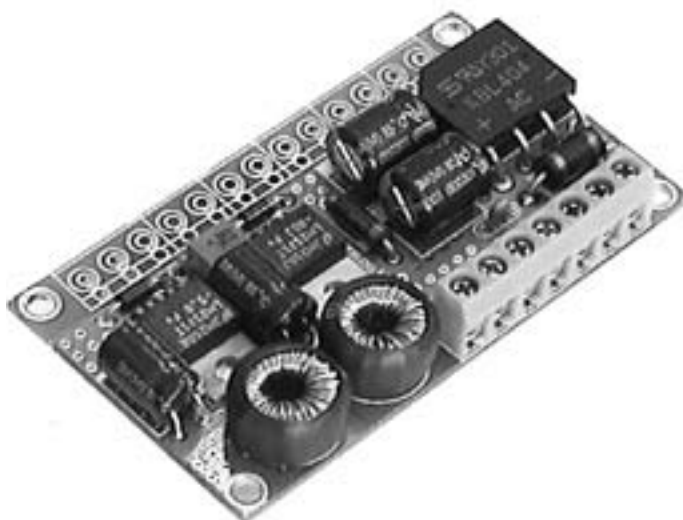


# SW5AS

## Switching Regulator



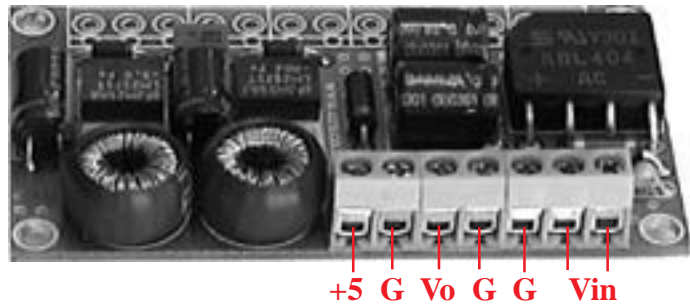
**INTRODUCTION**

The SW5AS is a switching regulator specifically for embedded application offering the following features.

- 1 channel for 5 volt, 1 amp switching regulator (LM2575T-5)
- 1 channel for 1.23 to 37 adjustable voltage, 1 amp switching regulator (LM2575T-ADJ)
- dc or ac voltage apply for input voltage
- 7 to 40 volt for dc input voltage or 5 to ~28 volt for ac input voltage
- build on board bridge regtifier
- transient voltage suppression

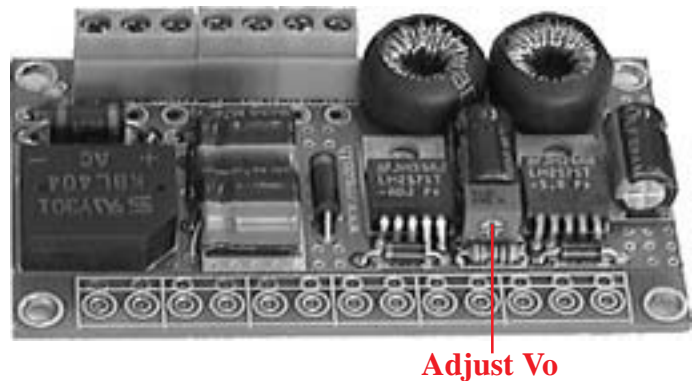
**TERMITALS**

The regulator board has 2 outputs, 5 volt and adjustable voltage. The following picture shows positions of input and output therminals.



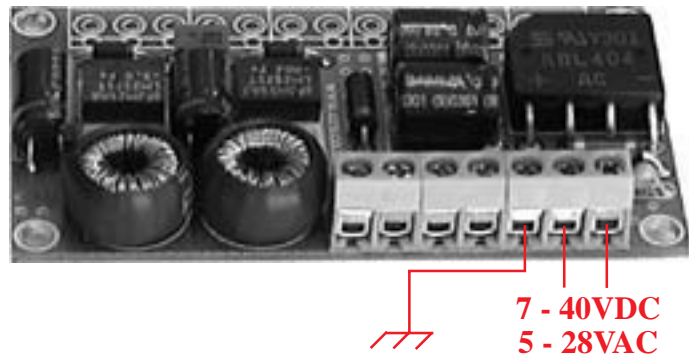
**ADJUSTABLE VOLTAGE**

The output  $V_o$  is adjusted from 1.23 to 37 volt by a pot as show in the picture.



**INPUT VOLTAG**

The input voltage of regulator board support DC voltage and AC voltage. The DC voltage range is 7 to 40 volt and the AC voltage is 5 to 28 volt. For more details about a relation between input voltage and output voltage refer to LM2575T data sheet. The board has a ground connector for connecting to the case or earth, if necessary.



**SPECIFICATION**

Output Voltage	5V and 1.23 - 37V
Output Current	1A / CHANNEL
Input Voltage	7 - 40 VDC or 5 - 28 VAC
PCB Size	45 x 82 mm