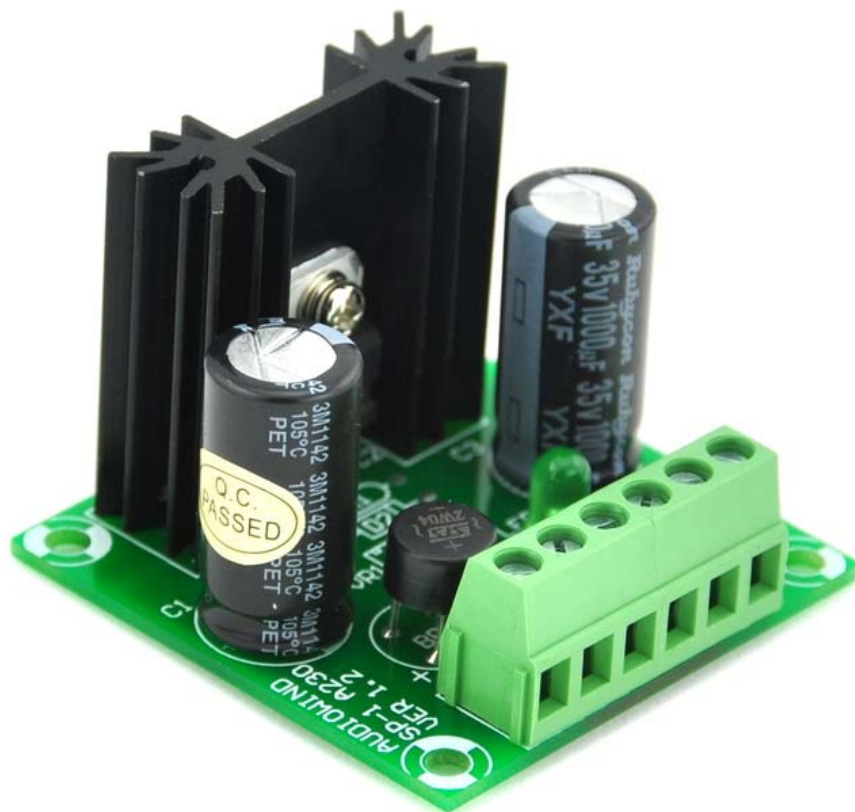


AudioWind Electronics-Salon

Positive Voltage Regulator Module
Output Non-adjustable Version
Model: SP-1(A-230/xxV)



Positive Voltage Regulator Module

Based on 78xx Series Reulator IC design

Version	Input DC	Input AC	Output Vol.	Max. Output Current
A-230/5V	8 to 32V	6.7 to 23.5V	5 +/-0.2V	1 Amp
A-230/6V	9 to 32V	7.5 to 23.5V	6 +/-0.25V	1 Amp
A-230/8V	11 to 32V	8.9 to 23.5V	8 +/-0.3V	1 Amp
A-230/9V	12 to 32V	9.6 to 23.5V	9 +/-0.35V	1 Amp
A-230/10V	13V to 32V	10.3 to 23.5V	10 +/-0.4V	1 Amp
A-230/12V	15 to 32V	11.8 to 23.5V	12 +/-0.5V	1 Amp
A-230/15V	18 to 32V	13.9 to 23.5V	15 +/-0.6V	1 Amp
A-230/18V	21 to 32V	16.0 to 23.5V	18 +/-0.7V	1 Amp
A-230/24V	27 to 32V	20.3 to 23.5V	24 +/-1V	1 Amp

Note:

- 1, For AC input mode, transformer no-load voltage must be less than 23.5V.
- 2, Max. Output Current = $5 / (V_{inDC} - V_{outDC})$ Amp, up to 1 Amp. if is AC input mode, please according the following formula to calculate DC:

$$V_{inDC} = (V_{inAC} \times 1.414) - 1.4$$

Size: PCB size: 50 x 50mm / 1.97 x 1.97 inch.

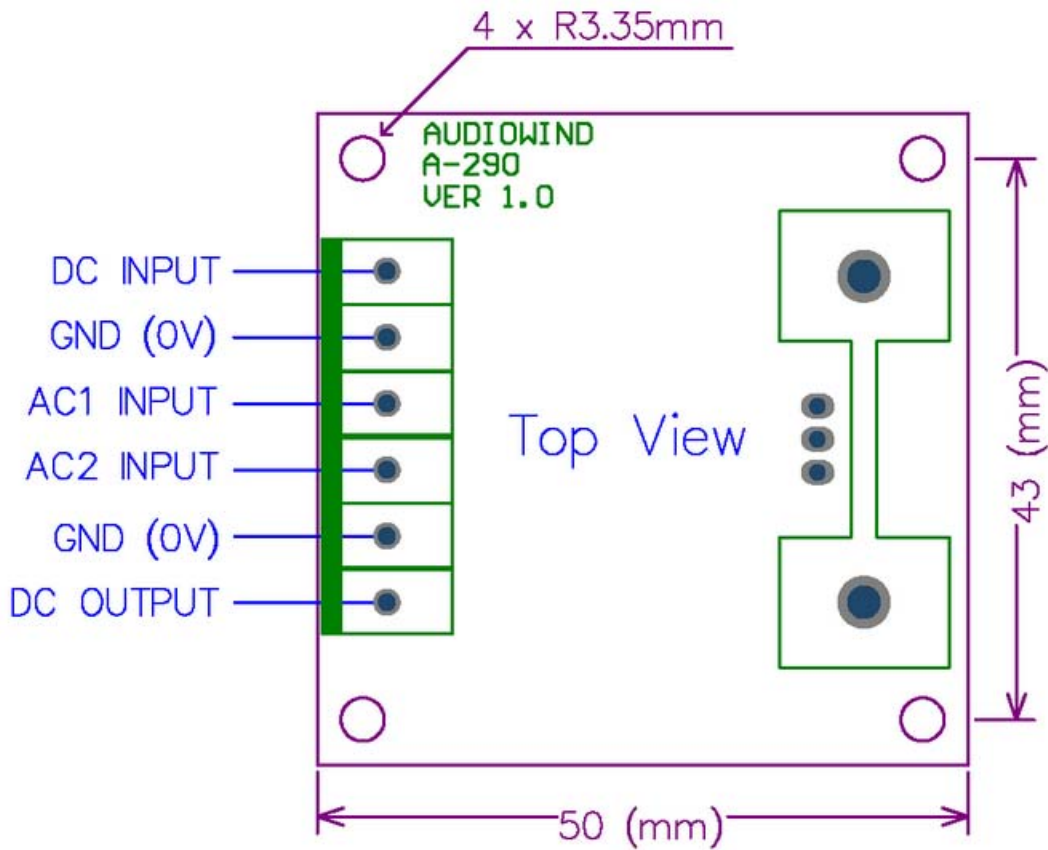
Module size (W x L x H): 50 x 50 x 38 mm (1.97 x 1.97 x 1.5 inch)

Weight: 43 +/-5 gram

This is a very typical negative regulator circuit, other electrical specifications please read the IC datasheet: <http://www.fairchildsemi.com/ds/LM/LM7805.pdf>

Any questions feel free to tell me:: Jianglily2005@gmail.com

PCB Size and Wring Diagram:



- DC INPUT: Positive DC voltage input.
- GND (0V): DC input ground (0V).
- AC1 INPUT: AC input 1.
- AC2 INPUT: AC input 2.
- GND (0V): DC output ground (0V).
- DC OUTPUT: Regulated positive DC voltage output.

Schematic:

