AudioWind
Electronics-Salon

Guitar Distortion Effect Module Board

Model: A-600

Guitar Distortion Effect Module Board

Based on LM741 OPAMP design

Specifications:

Operating Voltage: 9V DC.

Quiescent Current: < 0.5mA.

PCB Size: 35 x 50 mm (1.38 x 1.97 inch).

Module Size(W x L x H): 35 x 50 x 25 mm (1.38 x 1.97 x 1 inch)

Potentiometer Shaft Diameter: 6mm (18 Teeth).

Potentiometer Shaft Length: 15mm

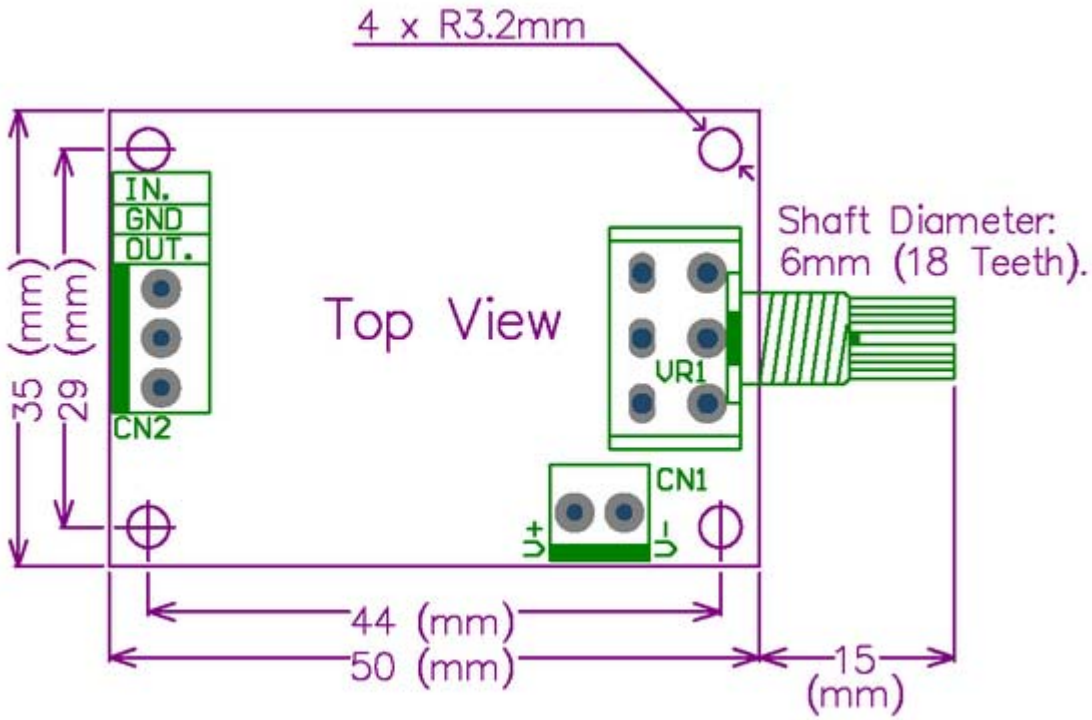
Germanium diodes 1N270, soft-clipped distortion.

Similar to the MXR 70s distortion+ effects circuit.

Note: the module no Volume pot and Distortion Enable/Disable switch.

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

PCB Size and Wring Diagram:



CN1 V+ : Power supply input + (or 9V battery +).

CN1 V- : Power supply input - (or 9V battery -)

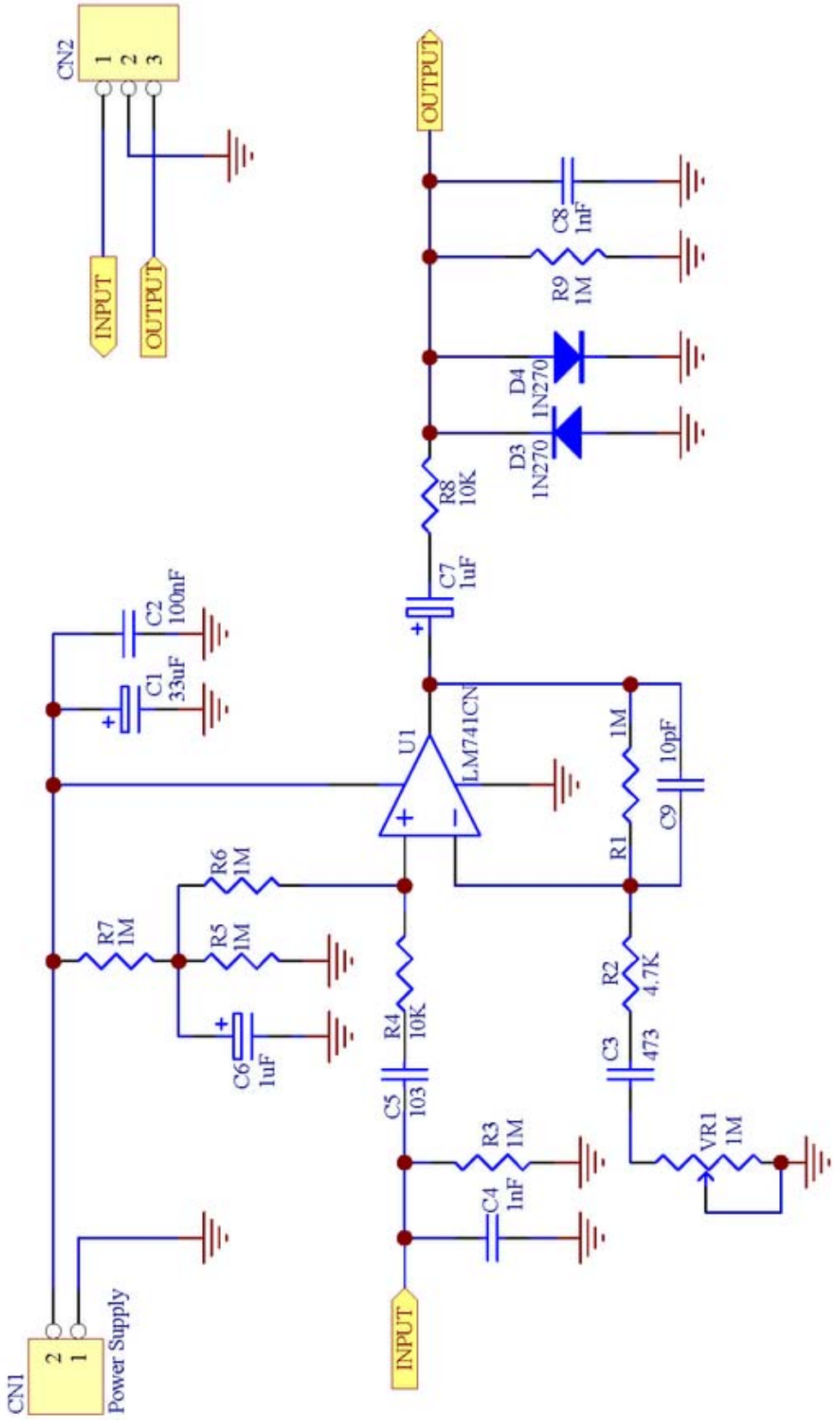
CN2 IN. : Audio signal input.

CN2 GND : Audio input and output signal ground.

CN2 OUT. : Audio signal output.

VR1: Distortion adj.

Schematic:


CN2
1
2
3
INPUT
OUTPUT
OUTPUT
C8
1nF
R9
1M
D4
1N270
D3
1N270
R8
10K
C7
1uF
C2
100nF
C1
33uF
U1
LM741CN
1M
C9
10pF
R1
R6
1M
R7
1M
R5
1M
R4
10K
R2
4.7K
C6
1uF
C5
103
C3
473
R3
1M
VR1
1M
C4
1nF
INPUT
CN1
2
1
Power Supply