

# AudioWind Electronics-Salon

## SPECIFICATION

Model: A-272



# Adjustable Ultra-low Noise Negative Voltage Regulator Module

## Based on LT3015ET

Input Voltage: -2 to -30 VDC, or 2.5 to 22 VAC<sup>\*</sup>.

Output Voltage: -1.25 to (VinDC + 0.7) VDC, up to -29.3 VDC.

Max. Output Current:  $(9 / (V_{inDC} - V_{out}))$  Amp, up to 1.5 Amp.

Output Noise: **< 60uV RMS** (10Hz to 100kHz).

Note:

VinDC == DC input voltage.

VinAC == AC input voltage.

Vout == DC output voltage.

VinAC to VinDC estimation formula:

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

Note:

1, if use AC input, power transformer no-load voltage must less then 22 VAC.

2, Dropout voltage(Vin - Vout) must within range -0.5 ~ -15VDC.

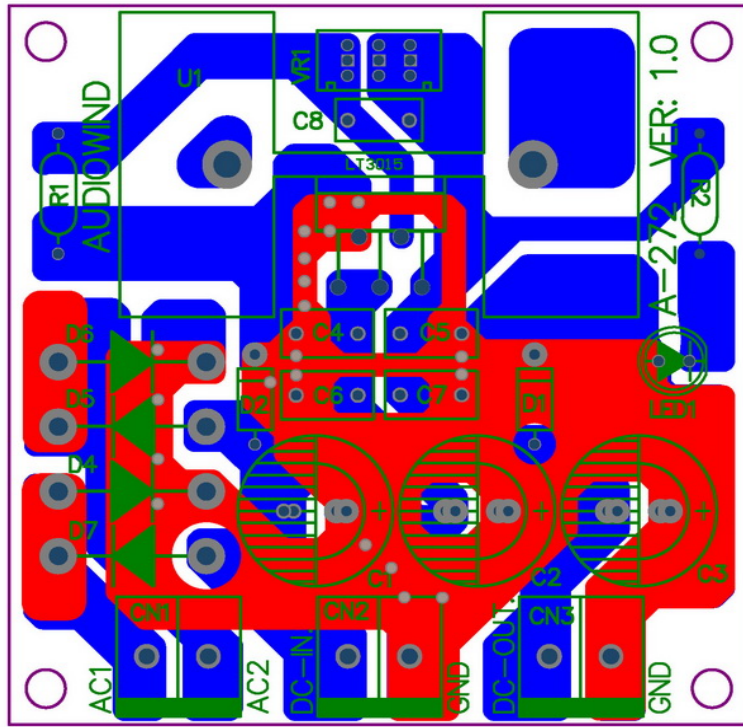
Other electrical specifications, please read the LT3015 datasheet.

Datasheet: <http://cds.linear.com/docs/en/datasheet/3015fb.pdf>

Module Size: 60 x 60 x 45 mm (W x L x H).

PCB Size: 60 x 60 mm.

Heat-sink Size: 25 x 42 x 40 mm.



VR1: Output voltage adjust (25 turns).

CN1: AC1,AC2, ---- AC input, or power transformer input.

CN2: DC-IN., GND, ---- DC input.

CN3: DC-OUT., GND, ---- DC regulated output.

## Schematic

