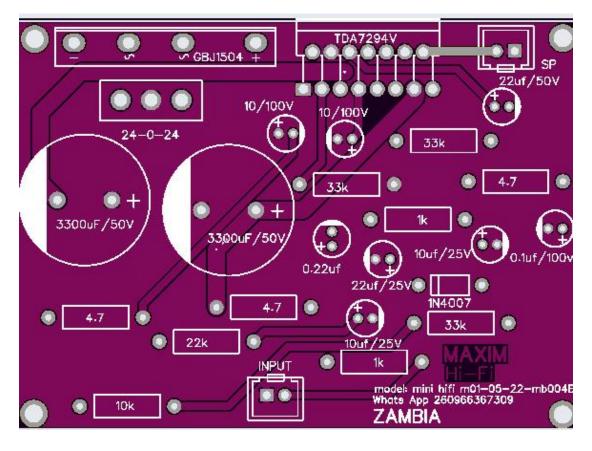
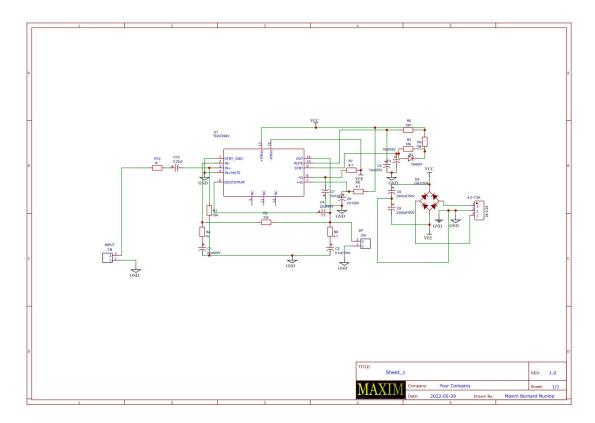
120W Audio Amp

Y35-2730073A







Here is a hi power amplifier simple et powerful. This amplifier is based on a IC TDA7294 capable of driving output power of up to 120W. The circuit looks simple but able to drive a 15inches speaker. The circuit above works at +/-35V but can even work at +/-40V only with $+/-8\Omega$ and 4Ω at +/-35V or less.

The above is the assembly circuit diagram for 120W Audio Amp and can be used to build amplifiers ranging from 30W (Mono) to 120W.

- \diamond Note that AC input voltage is less than DC voltage at the rectifier. The voltage rise by the factor of $\sqrt{2}$ that is to say when your transformer's out put is 24V-0-24V AC, DC output voltage will be +35V-0-(-35V). the standard circuit above can work at all voltages ranging from 15V-0-15V to 24V-0-24V AC.
- \Leftrightarrow Never use the circuit at the voltages above +/-45V or else it will brow off easily. You may use it at +/-40V only with speaker at 8Ω.

The standard components are shown on a PCB above which is now in a classic purple. R_2 and R_1 can be replaced with $22k\Omega$ to reduce its gain.