



This premium 300B tube amplifier chassis is built from heavy-duty 0.05" thick steel, delivering exceptional durability and rigidity while reducing vibration and hum. The chassis features precision pre-punched openings for 300B tube sockets, driver tubes, RCA inputs, and speaker terminals, along with dedicated mounting points designed to support our toroidal power transformers and output transformers.

For noise immunity and reliable operation, it includes a high-quality IEC power inlet with an integrated RFI/EMI filter, fuse, and power switch to effectively suppress power-line noise. Three CA transformer covers are provided, giving the amplifier a clean, professional appearance while adding magnetic and electrical shielding.

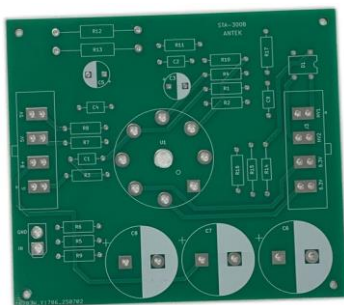
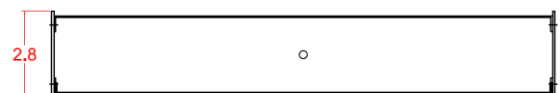
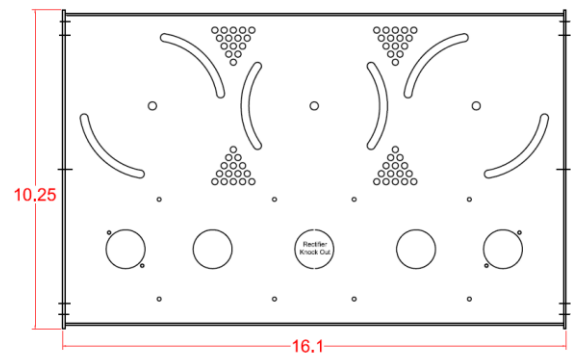
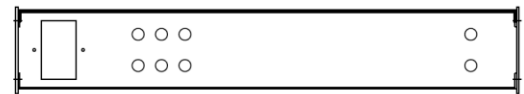
The main amplifier PCB can be purchased directly from us or hand wire directly. All mounting holes pre-punch and require no modifications. A rectifier tube knockout is included in the middle of the chassis.

Compatible Components

- Output Transformer: MS-30W25, MS-30W50 or MS-30W75
- Power Transformer: AS-2TB300
- Transformer Covers: CA-004 ×3 (included)
- Tube Sockets: 8-pin x2 & 4-pin x2
- IEC Power Inlet: CW2B-10A-T (included)
- Main PCB: STA-300PCB x2
- 5V Filament Regulator: DR-5B x2
- RCA Connectors: Panel-mount ×2
- Speaker Connectors: Panel-mount ×6
- Tubes: 300B & 6SN7

Chassis Includes

- Main chassis
- Bottom plate
- Two side panels
- Power transformer cover
- Two output transformer covers
- IEC power inlet with fuse and switch
- 6Vac green LED
- Screws and spacers



STA-300 PCB



DR-05B

This PCB set is specifically engineered for the CC-1610B single-ended tube amplifier chassis and is based on a proven circuit topology refined through many years of 300B tube amplifier design experience. It employs one of the simplest single-ended amplifier architectures while delivering exceptionally high sound quality. The PCB layout has been carefully optimized with short signal paths, proper grounding, and effective separation of high- and low-level circuitry to minimize noise, hum, and crosstalk.

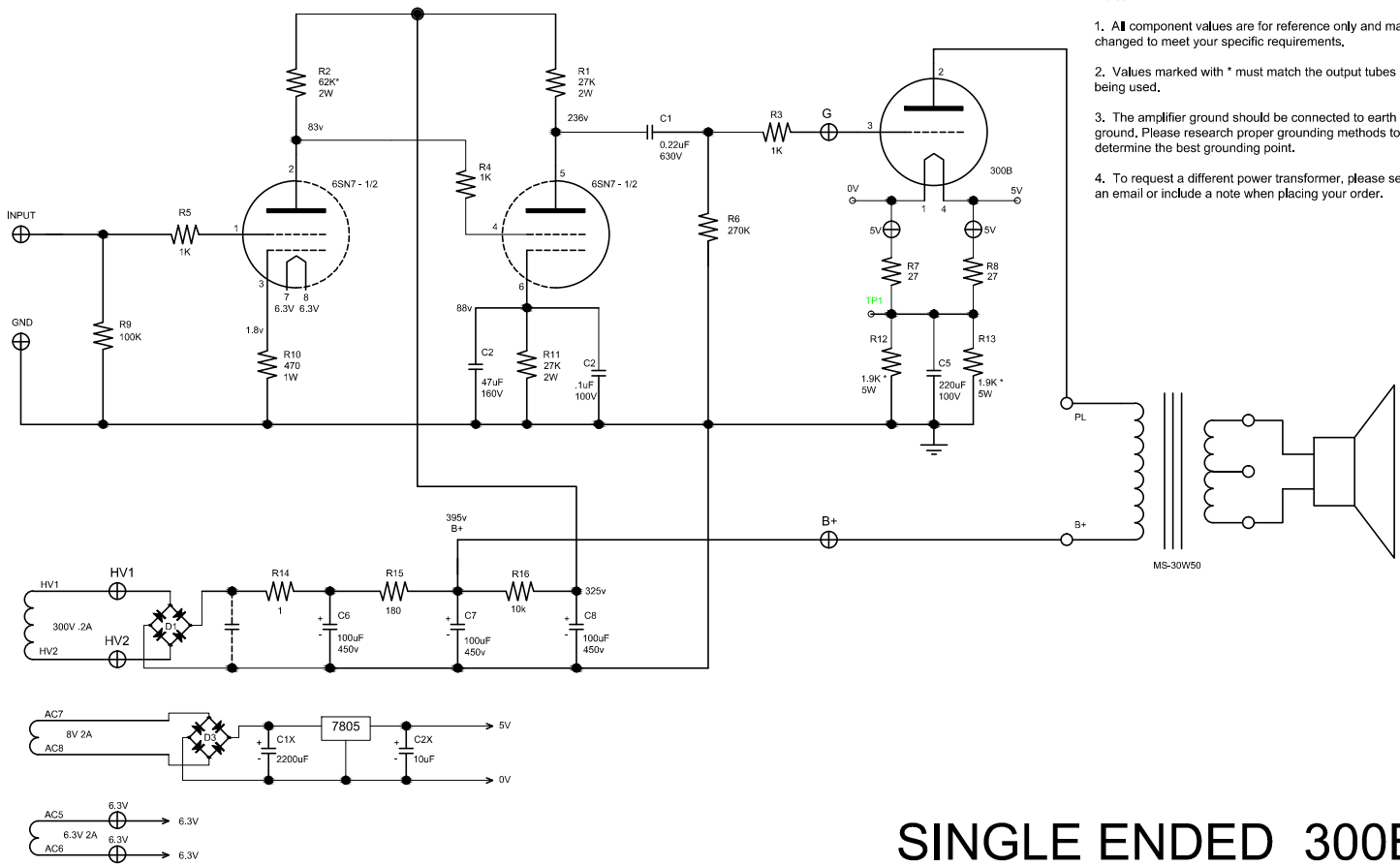
When combined with high-quality toroidal power and output transformers, the amplifier benefits from higher efficiency, reduced magnetic radiation, and improved voltage regulation compared with traditional EI-core transformers. These advantages result in a lower noise floor, improved dynamic range, tighter low-frequency control, and smooth, extended high-frequency response.

We recommend using output transformers rated at 30 watts. With this configuration, the low-frequency response can extend down to approximately 5 Hz. The resulting sound quality is comparable to that of high-end hi-fi tube amplifiers.

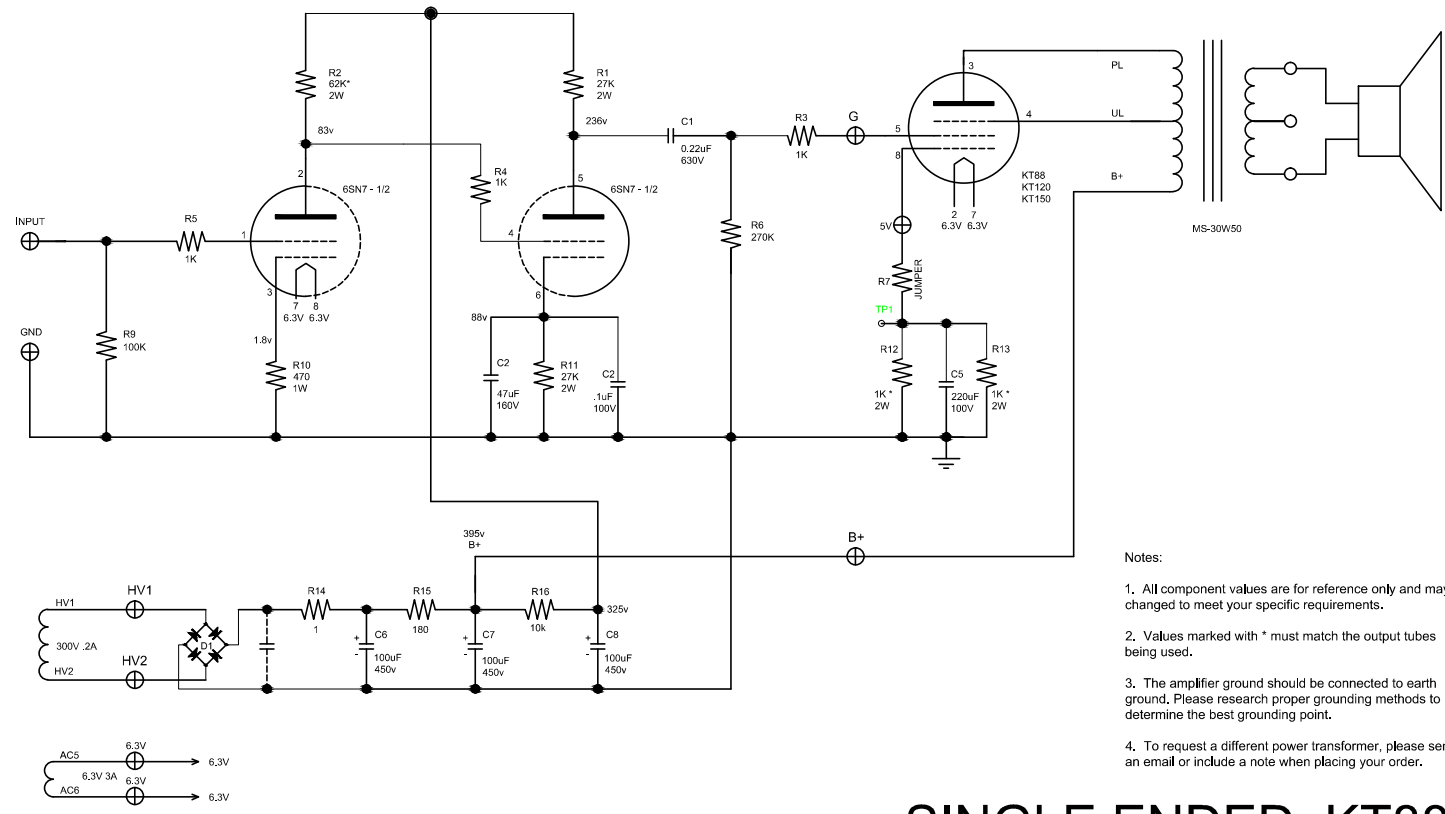
The PCB supports the popular 300B, as well as KT88, KT120, and 6550 power tubes, along with multiple driver tube options, making it suitable for both hi-fi and audiophile-grade applications. The circuit allows the power tubes to deliver approximately 8 to 15 watts of output power, depending on tube type and operating conditions.

The supplied schematic corresponds to a specific transformer set and is provided as a reference design. Depending on the actual power transformer secondary voltages, output transformer impedance, and selected tube types, certain component values—such as plate resistors, cathode resistors, screen resistors, and power supply filter capacitors—may require adjustment. Final verification of operating voltages and bias conditions during assembly is strongly recommended to ensure optimal performance, long tube life, and overall amplifier stability.

Model	Output Power	Output Transformers	Power Transformers	Suggest Tubes
STA-300B STA-300K	5W – 8W 9W – 15W	MS-30W25, MS-30W50 MS-30W50, MS-30W75	AS-2TB300 AS-2T350, AS-2T400	300B KT88, KT120, KT150



SINGLE ENDED 300B



SINGLE ENDED KT88