



This premium 300B mono-block 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 output tubes, driver tubes, RCA input, and speaker terminals, along with dedicated mounting points designed to support our toroidal power 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 cover IS provided, giving the amplifier a clean, professional appearance while adding magnetic and electrical shielding.

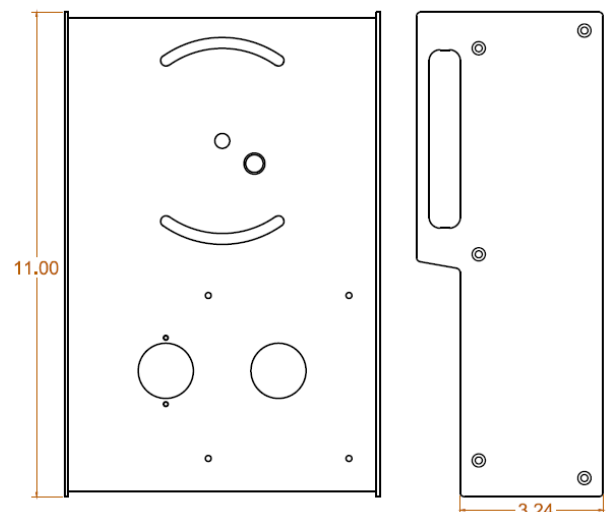
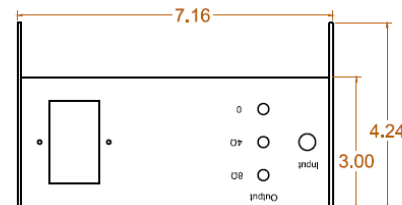
The main PCB is included simple and easy installation. All mounting holes are fully drilled and require no modifications.

Compatible Components

- Output Transformer: MS-30W25, MS-30W50, MS-30W75
- Power Transformer: AS-1T, AS-2T or AS-2TB series
- Power Transformer Cover: CA-202 (included)
- Tube Sockets: 8-pin x1 & 4-pin x1
- IEC Power Inlet: CW2B-10A-T (included)
- Main PCB: STA-300B PCB (included)
- RCA Connectors: Panel-mount
- Speaker Connectors: Panel-mount x3
- Tubes: 300B, KT88, KT120, 6550

Chassis Includes

- Main chassis, sides & bottom plate
- Main STA-300B PCB
- 5V regulator module
- Power transformer cover
- IEC power inlet with fuse and switch
- 6Vac green LED
- Screws, hardware and spacers

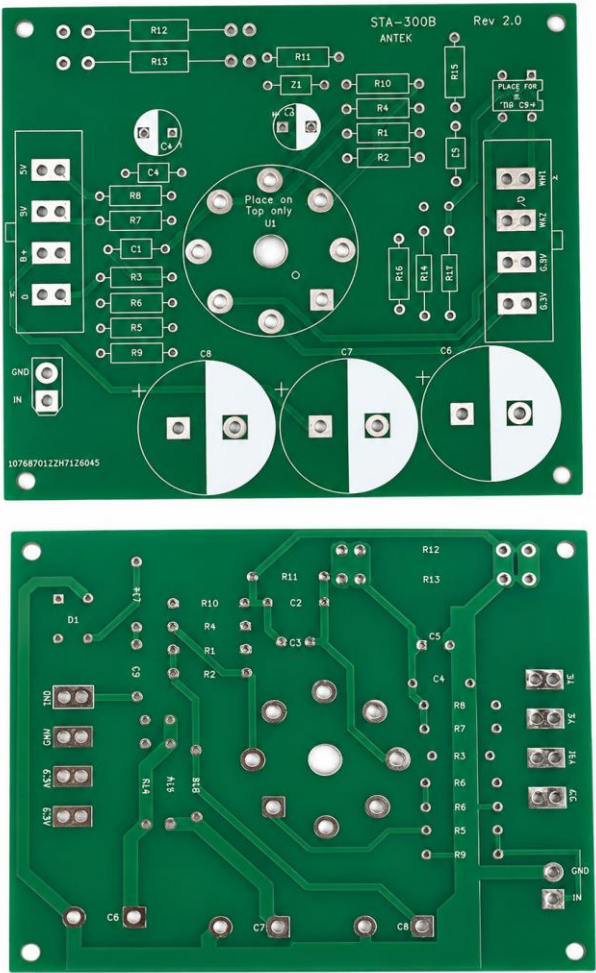


This STA-300B PCB is specifically engineered for the CC-711B & CC-1610B single-ended 300B tube amplifier chassis and is based on a proven circuit topology developed through many years of tube amplifier design experience. It employs one of the simplest tube amplifier architectures while delivering very 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 to traditional EI-core transformers. These advantages result in a lower noise floor, improved dynamic range, stronger low-frequency control, and smooth, extended high-frequency response.

The PCB supports a wide range of commonly used output tubes, including 300B, KT88, KT120 and 6550, as well as multiple driver tube options, making it suitable for both hi-fi and audiophile-grade applications. The circuit allows most common power tubes to produce approximately 7 watts to 12 watts per channel of output power.

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 need to be adjusted. Final verification of operating voltages and bias conditions during assembly is strongly recommended to achieve optimal performance, long tube life, and overall amplifier stability.



STA-300B

PCB	Output Power	Output Transformers	Power Transformers	Suggest Tubes
STA-300B	5W – 8W	MS-30W50, MS-30W75	AS-2TB300, AS-2TC340	300B
STA-300B	9W – 13W	MS-30W25	AS-2TD360, AS-3TD400	KT88, KT120