
acurus
Accuracy from the U.S.
acurus
Power Amplifier
A150

Acurus by Mondial Designs Limited has established a reputation for an honest approach to engineering high quality, American made audio components.
The following explanation of the Acurus A150 power amplifier will help you to understand why the components handcrafted by Mondial Designs are internationally acclaimed as the best value in audio.

POWER AMPLIFIER WATTAGE

You would think that knowing how much power an amplifier can provide to your speakers would be simple. It's not. There are many different methods of specifying amplifier power. Even the standard measurement of continuous power 20hz to 20,000 hz into an 8 ohm resistive load doesn't help very much. No loudspeakers exist that are a true 8 ohm resistive load. Therefore reading an amplifier's power specifications is a poor indication of how much power it will deliver to your loudspeakers and how it will sound.

CURRENT RATINGS

Recently it has become fashionable to discuss amperes of current in defining amplifier power. This is usually quoted as peak current. However, peak current ratings do not represent an amplifier's capability of delivering continuous power to a speaker load. The true amount of current an amplifier can deliver is determined by its rail fuses and protection circuitry. If you're ever quoted a current or ampere rating in literature or verbally, look inside the amp and check the rail fuse amp rating. The method of determining how much power an amplifier can deliver to loudspeakers and how well it performs, is by listening to it on a good pair of loudspeakers. We are confident that when an Acurus A150 is driving a pair of better loudspeakers, it will go deeper, present a better sound stage, reveal more musical detail and play louder than any other amplifier in its price range.

PARTS QUALITY

To achieve superior sound quality, you must begin with discrete high quality parts. Acurus pre and power amplifier combinations provide fully discrete circuitry from the source to the loudspeakers. This chart compares the quality of parts found in the Acurus A150 with those of other amplifiers.

Ours	*Theirs*
Glass Epoxy Circuit Boards These circuit boards are utilized by medical and military manufacturers. They are significantly superior and more expensive than paper phenolic.	**Paper Phenolic Circuit Boards** These are circuit boards found in electronic toys and games. Sometimes they are coated green in an attempt to mimic glass epoxy circuit boards.
Bipolar Output Transistors Bipolars are capable of continuous power into low impedance loads. These are the same transistors as in amplifiers costing 10 times the price.	**MOSFET Output Transistors** MOSFETS are not capable of delivering continuous power into lower impedances. They are usually found in less expensive amplifiers.
Torodial Power Transformer These transformers have about twice the efficiency of E I cores. This is due to their ability to contain the magnetic field. The less stray magnetic field, the better the signal to noise ratio.	**E I Core Transformer** These inefficiently large transformers radiate more noise into the circuit. This is due to their inability to contain the magnetic field. This stray magnetic field radiates into the circuitry causing noise.
Metal Film Resistors 1% Metal film resistors are used exclusively in the circuitry to ensure consistency. They are inherently low in noise.	**Carbon Resistors** Carbon resistor tolerances are 2 to 5 times worse than metal film. In addition, they have higher noise characteristics.

HANDCRAFTED QUALITY

Acurus audio components are *not* mass produced. The Acurus A150 is completely handcrafted in America. The use of high quality parts would be useless without a high quality level of construction. Handcrafted assembly ensures that each of the hundreds of connections are inspected individually. Every amplifier is calibrated and tested to guarantee that it exceeds all specifications. Advanced engineering, high quality components, and handcrafted assembly combine to make Acurus the worldwide reference standard in its price class.

A150
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SPECIFICATIONS

Rated Power:
150 watts per channel continuous, both channels driven into 8 Ohms 20 Hz to 20,000 Hz at no more than 0.06% THD

200 watts per channel continuous, both channels driven into 4 Ohms 20 Hz to 20,000 Hz

Input Impedance:
20k Ohms

Input Sensitivity:
1.2 volts for full output

Signal to Noise Ratio:
110dB A Weighted

Dimensions:
17" wide
5" high
10" deep

19" front panel optional

Weight: 32 lbs.

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