

acurus
Accuracy from the U.S.

acurus
Power Amplifier
A80



At Mondial Designs Ltd. we have changed the rules for audio components. Our Acurus audio components have received product of the year awards in America and Asia. European press has dubbed us "the price breakers of audio". And throughout the world Acurus has been proclaimed the best value in audio equipment. The American engineered and manufactured Acurus amplifiers are recognized for their power and sound quality. This is achieved by employing very high quality parts, engineering and construction technology.

The Acurus A80 brings the renowned Acurus quality to a new price range. Utilizing the same level of engineering, parts and construction as the higher powered Acurus amplifiers, the A80 is a true Acurus.

AMERICAN ENGINEERING AND MANUFACTURING

The fact that Acurus is engineered and manufactured in America is not merely a marketing ploy. The United States is internationally recognized for being at the forefront of the most advanced electronic engineering and manufacturing. While other nations have focused their engineering and production efforts on mass produced, lower priced consumer electronics, the U. S. focused on competitive manufacturing for advanced electronics such as medical equipment. At Mondial we have taken this advanced electronic engineering and manufacturing and applied it to audio equipment. The success of Acurus is not due to mystique or marketing image, but due to the application of this advanced technology. It begins with as simple and essential a component as the circuit board to which all the parts are soldered.

PAPER vs GLASS EPOXY CIRCUIT BOARDS

All foreign made audio we know of, in the Acurus price range, make do with paper circuit boards to carry the all important audio signal. The use of paper boards for circuitry is obviously an embarrassment to many of our price competitors. They put a green coating on the board to make them appear the same as the glass epoxy boards used in the audio path of every Acurus amplifier. Some manufacturers even go as far as making up obscure names for their paper boards in a further effort to conceal the embarrassment. Since all the components the original signal must pass through to be amplified are attached to the circuit board, our use of high quality parts on a very low quality board would be ludicrous engineering.

TIGHT TOLERANCE COMPONENTS

Our glass epoxy circuit board creates a very high quality foundation on which to build. For example all resistors soldered to the board are of metal film. Unlike the carbon resistors found in other audio products, our resistors are five times more accurate and significantly quieter in operation. The care in our component selection is further evidenced by the use of only fully discrete components.

THE ELIMINATION OF INTEGRATED CIRCUITS

No analog integrated circuits are used in any Acurus preamplifier or amplifier. Although integrated circuits are almost always cheaper to use than discreet circuitry, they also generate far more distortion in the original signal. In fact many integrated circuits are over fifty times less linear than the custom engineered circuits of Acurus. This is one reason that the number of components the original

signal must pass through is kept to an absolute minimum in the A80. The circuit board layout is engineered to minimize the interaction between the components on the board, thereby maintaining the intrinsic linearity of the original source.

HIGH EFFICIENCY TOROIDAL TRANSFORMER

To further reduce noise and distortion a toroidal transformer is employed in the A80's power supply. Unlike the box shaped transformers found in virtually all other amplifiers in the price range, the toroid in the Acurus contains the stray magnetic radiation generated by all transformers. This radiation enters the circuitry and generates further noise and contamination of the signal. In addition, by containing the magnetic field, the Acurus transformer is capable of generating more power from a smaller size because it is operating more efficiently. This assists in minimizing the size and weight of this rather powerful amplifier.

CONSERVATIVE POWER RATINGS

As with all Acurus amplifiers, the A80 has a very conservative power rating. As an example we only quote power specifications with all channels operated simultaneously to continuous full output from 20Hz to 20,000Hz.

The quality inside is visible outside. As with all Acurus amplifiers, the chassis is formed from heavier gauge steel than the typical amplifier. The front panel is solid aluminum which has been polished and anodized. The input connectors are gold plated for optimum contact and the output connectors are gold plated five way binding posts. The traditional approach to creating hand crafted audio components is what has attained Acurus the international recognition as the best value in audio.

A80 Amplifier

SPECIFICATIONS

Rated Power:

**80 watts per channel continuous,
both channels driven into 8 Ohms
20 Hz to 20,000 Hz at no more than
0.06% THD**

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

**Input Impedance:
20k Ohms**

**Input Sensitivity:
1 volt for full output**

**Signal to Noise Ratio:
110dB A Weighted**

**Dimensions:
17" wide
3.75" high
10" deep**

19" front panel optional

Weight: 20 lbs.

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