

Soundtube MA3501t EFFICIENT CLASS G HIGH CURRENT MONO-BLOCK 350 W AMPLIFIER

The SOUNDTUBE MA3501t audio distribution amplifier is a high performance audio amplifier that is designed for continuous use in commercial applications. The high efficiency Class "G" amplifier design offers high performance in a compact design and utilizes 2 large and efficient toroidal transformers in the amplifier power and audio output sections. The power transformer is a very high current design for sustained high power output and can operate with multiple input mains voltage and is thermally protected. The audio output transformer is a very low distortion design that provides very clean audio output at high power levels for 25V, 70V or 100V audio distribution systems.

The MA3501t amplifier also has a direct speaker output option that bypasses the transformer for those applications where it is necessary to operate 4-16 ohm speaker systems. All of this performance is in an amplifier that is only 2RU in height.

Other application and performance features of the SOUNDTUBE MA3501t amplifier are flexible audio inputs connections for both balanced and unbalanced audio signals. The balanced input features a Euro Block, Phoenix style connector and the unbalanced inputs are 2 RCA style jacks that will allow the mix down of a stereo input signal to a summed mono output. The amplifier offers a switchable peak limit anti-clipping circuit to help keep the audio clean and undistorted at high output levels and also a switchable high pass filter to avoid over driven bass distortion and speaker line transformer saturation from low frequencies. The MA3501t also provides the installer with remote turn on and off provisions that can either be switched by an external 12VDC source with loop through provisions or set to a program input sensing position that provides turn on and standby operations in the presents or absents of an audio signal. Both of the remote features mute the amplifier audio output when no signal is present to avoid any stray hum or noise being reproduced in the standby mode.

The SOUNDTUBE MA3501t amplifier is designed to provide long term reliability of operation and includes several features to insure many years of trouble free operation. Besides the oversized toroidal power and audio transformers the amplifier features a thermostatically controlled cooling fan with ducted heat sink cooling for the power stage. The protection circuitry includes thermal shut down over temperature protection for the power transformer and the power amplifier, input power overload protection, short circuit, DC output and over load protection and low impedance protection with relay switching to kill the speaker output and provide protection for speakers systems connected to the amplifier.

Features

- 350W at 4 ohms direct or 25V, 70V, 100V isolated outputs
- Efficient Class G high current mono-block amplifier
- Large Toroidal power transformer and audio output transformer
- Selectable high pass/subsonic filter
- Euro block balanced and dual unbalanced RCA inputs
- Selectable 12V and auto signal sense remote turn on and stand by options
- Selectable peak/clipping limiter
- High current euro block output connectors
- Dual 115VAC/230VAC operation
- Wind tunnel flow through cooling with variable speed thermostatically controlled fan
- Overload, short circuit and thermal protection circuits
- Power/standby, clipping and protection LED indicators
- Compact 2U Rack space chassis