



MCA2004t PRODUCT SPECIFICATIONS

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| Description | Class-D multi-channel amplifier |
| Output Power | 100 Watts RMS < 0.06 % THD @ 4 Ohms 200 Watts RMS < 0.05 % THD @ 8 Ohms 100 Watts < 0.1%THD @ 25 V 200 Watts < 0.05%THD @ 70.7 V 200 Watts < 1%THD @ 100 V |
| HP Filter - Switchable | 70 Hz - 120Hz |
| Frequency Response (±3 dB) | 20Hz - 20KHz +/-3dB Direct |
| Inputs | single euroblock balanced / unbalanced |
| Maximum Input Sensitivity | 1.4V for full output |
| THD+ Noise | <1% , 20-20KHz |
| S/N | >85 dB un-weighted |
| Damping Factor | >32 |
| Input Impedance | 8.6K unbalanced, 8.6K balanced |
| Protection Features | Soft Clipping Limiter Short Circuit Overload, DC offset protection Thermostatic variable speed fan cooling Thermal overload protection Over current protection |
| Front Panel Indicators | POWER / Sleep, Clipping, Signal, protection LEDs |
| Current Consumption 120V | 10.5 A @8 Ohm , 6.5 A @4 Ohm / Full Power |
| Operating Voltage | Full range 100-240VAC, 50/60Hz, MAX 1200W |
| Dimensions (Overall) | 19"x15.75"x3.5" |
| Weight | 17.4lbs |
| Approvals | FCC, ETL, CE, CB, UKCA |

SoundTube®

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All SoundTube speakers come with a 5-year limited warranty and 3-year warranty on all electronics.

Description

The SoundTube MCA2004t audio distribution amplifier is a high-performance audio amplifier that is designed for continuous use in commercial and professional applications. The high efficiency Class "D" amplifier design offers high performance in a compact design. Performance features of the MCA2004t amplifier are flexible audio input connections for both balanced and unbalanced audio signals. The amplifier input uses two removable Euroblock style connectors to interface with the input source. The amplifier's input routing feature allows the distribution of the input signal to the selected output. This feature allows all connected speakers to be driven by a single or multiple sources.

The amplifier offers 70Hz switchable high pass filters to avoid over driven bass distortion and speaker line transformer saturation from low frequencies. "SUB" or subwoofer mode allows Channel 1 and Channel 2 to be switchable subwoofer outputs. This mode applies a 120Hz low pass filter to either, or both Channel 1 and Channel 2 and allows for a 120Hz high pass filter to the remaining channels. When this mode is selected for a particular channel, the output impedance will be automatically changed to 4 ohms.

This amplifier has auto signal sense or a deep sleep trigger, as well as an auxiliary port used to remotely monitor the health of the amplifier.

The MCA2004t's protection circuitry includes temperature, short circuit, DC offset, and current overload protection. This amplifier is designed to provide long term reliability of operation and includes several features to ensure many years of trouble-free operation.

Features

- 200W at 8 ohms direct or 70V, 100V constant voltage outputs
- 100W at 4 ohms direct or 25V constant voltage output
- 4 channel class D amplifier
- Matrix mixer connects inputs to outputs
- Selectable 70Hz high pass and low pass filtering
- 2 switchable subwoofer channels with 120Hz low pass and 120Hz selectable high pass filtering
- Euroblock balanced and unbalanced inputs
- Selectable auto signal sense and deep sleep trigger modes
- Peak-clipping limiter
- High current euroblock output connectors
- Forced air cooling with variable speed thermostatically controlled fan
- Overload, short circuit, DC offset, and thermal protection circuits
- Power/sleep, limiting and protection LED indicators
- Compact 2U rack space chassis
- Selectable amp status monitoring