

ATA-L Series Power Amplifier

Maximum output voltage 1020 Vrms

Maximum output power 1000VA

Overheating, overload protection



Monitor

Output current monitor: 100mV/A

Output voltage monitor: 10mV/V

The output monitor is BNC connector, which can be connected to the oscilloscope for real-time monitoring.

Introduction

ATA-L series is a single channel amplifier with wide bandwidth and high power output. The maximum output is 1020vrms voltage, 1000VA power. It can drive 0 ~ 100% resistive or non-resistive load. Customers can adjust flexibly according to the test requirements.

| Model | ATA-L2 | ATA-L4 | ATA-L6 | ATA-L8 |
|--|---|--------------|--------------|--------------|
| Bandwidth (-3dB) | 200Hz~120kHz | 200Hz~120kHz | 200Hz~120kHz | 200Hz~120kHz |
| Maximum output voltage | 424Vrms | 848Vrms | 1020Vrms | 1020Vrms |
| Input voltage at full amplitude output | 1Vrms (1kHz) | 1Vrms (1kHz) | 1Vrms (1kHz) | 1Vrms (1kHz) |
| Maximum output power | 200VA | 400 VA | 600 VA | 1000VA |
| Voltage monitoring | 10mV/ V | 5mV/ V | 5mV/ V | 5mV/ V |
| Input resistance | 10kΩ | | | |
| Current monitoring | 100mV/A | | | |
| Total harmonic distortion (THD) | ≤1%@1kHz, 100Vp-p | | | |
| Output connector | 4mm Banana socket | | | |
| Fault lights | Overcurrent Protection | | | |
| Signal ground | Ground connected with the case and the power line | | | |
| Supply voltage | AC220V±10%, 50Hz | | | |
| Operating temperature | 0°C~45°C | | | |
| Storage temperature | -20°C~50°C | | | |
| Humidity | ≤80%RH, no condensation | | | |
| Size (W * H * D) | 440*290*565mm | | | |

L-series output impedance matching adjustment tap position

| Model | Output Impedance | Maximum Output Voltage | Maximum Output Current |
|-------|------------------|------------------------|------------------------|
| L2 | 56Ω | 106Vrms | 1.89Arms |
| | 224Ω | 212Vrms | 0.95Arms |
| | 505Ω | 318Vrms | 0.63Arms |
| | 898Ω | 424Vrms | 0.47Arms |
| L4 | 28Ω | 106Vrms | 3.79Arms |
| | 112.4Ω | 212Vrms | 1.89Arms |
| | 253Ω | 318Vrms | 1.26Arms |
| | 449Ω | 424Vrms | 0.94Arms |
| | 702Ω | 530Vrms | 0.75Arms |
| | 1011Ω | 636Vrms | 0.63Arms |
| | 1376Ω | 742Vrms | 0.54Arms |
| | 1797Ω | 848Vrms | 0.47Arms |
| L6 | 48Ω | 170Vrms | 3.54Arms |
| | 193Ω | 340Vrms | 1.76Arms |
| | 434Ω | 510Vrms | 1.18Arms |
| | 771Ω | 680Vrms | 0.88Arms |
| | 1204Ω | 850Vrms | 0.7Arms |
| | 1734Ω | 1020Vrms | 0.59Arms |
| L8 | 30Ω | 170Vrms | 5.67Arms |
| | 115Ω | 340Vrms | 2.96Arms |
| | 260Ω | 510Vrms | 1.96Arms |
| | 460Ω | 680Vrms | 1.48Arms |
| | 720Ω | 850Vrms | 1.18Arms |
| | 1040Ω | 1020Vrms | 0.98Arms |