

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