

ATA-300 Series Power Amplifier

High current, high power

The voltage gain is roughly adjusted by 1 times of step
and fine by 0.1 times of step



Technical Index

Bandwidth (-3dB) up to DC~30kHz

Maximum output power 810Wp

Adjustable voltage gain

Introduction

ATA-300 series power amplifier is an ideal power amplifier that can amplify AC and DC signals. The maximum output power is 810Wp, which can drive power load. The voltage gain can be adjusted by numerical control, and the common settings can be saved by one key. It can be used with mainstream signal generator to realize perfect signal amplification.

Model	ATA-304	ATA-308	ATA-309
Output form	Single output	Differential output	Single output
Bandwidth (-3dB)	DC~30kHz	DC~30kHz	DC~30kHz
Maximum output voltage	90Vp-p ($\pm 45Vp$)	180Vp-p ($\pm 90Vp$)	90Vp-p ($\pm 45Vp$)
Maximum output current	8Ap	8Ap	18Ap
Maximum output power	360Wp	720Wp	810Wp
Fuse	8A/250V	8A/250V	10A/250V
Voltage gain	x0~30 (0.1 step)	x0~60 (0.1 step)	x0~30 (0.1 step)
Load R_L upper limit	$\geq 5.6\Omega$	$\geq 11.25\Omega$	$\geq 2.5\Omega$
Output resistance	0.1 Ω	0.5 Ω	0.1 Ω
Slew Rate	10V/ μs	20V/ μs	10V/ μs
Input resistance	5k Ω		
Input amplitude	0~10Vp-pMAX		
Output voltage error	$\leq \pm 3\%FS@1kHz$		
Total harmonic distortion (THD)	$\leq 0.5\%@1kHz, 90Vp-p$		
Output voltage zero-point drift	$\leq 0.3V$		
Signal-noise ratio(SNR)	$\geq 80dB$		
Output Connector	4mm Banana socket		
Protection	Overcurrent protection		
Signal Ground	It is connected with the grounding of the shell and the power line		



Xi'an Aigtek Electronic Technology Co., Ltd.

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*163*470mm

Xi'an Aigtek Electronic Technology Co., Ltd.

Address: No.17,High-tech 4th Road,High-tech District,Xi'an City,Shaanxi Province, China

Tel: (+86) 029-88865020

Email: sales@aigtek.com

Website: <http://www.aigtek.com>

www.aigtek.com

Email : sales@aigtek.com