

ATA-100 Series Power Amplifier

- OLED panel display
- Input and Output resistance adjustable
- Perfect overload protection



Technical Index

- Bandwidth (-3dB) up to DC~5MHz
- Maximum output voltage 25Vp-p (± 12.5 Vp)
- Maximum output current 2Ap

Introduction

ATA-100 series is an ideal power amplifier that can amplify AC and DC signals. The bandwidth is as high as DC~5MHz, and it has 50 Ω , 1 M Ω input resistance. It can perfectly match the signal source with high and low internal resistance to realize the perfect amplification of signal. The output resistance 0.5 Ω and 50 Ω are adjustable, customers can choose flexibly according to the test requirements.

Model	ATA-101	ATA-103	ATA-105
Output form	Single output	Single output	Single output
Bandwidth (-3dB)	DC~1MHz	DC~3MHz	DC~5MHz
Maximum output voltage	25Vp-p (± 12.5 Vp)	25Vp-p (± 12.5 Vp)	25Vp-p (± 12.5 Vp)
Maximum output current	1Ap (DC~50Hz)	1Ap (DC~50Hz)	1Ap (DC~50Hz)
	2Ap (50Hz~1MHz)	2Ap (50Hz~3MHz)	2Ap (50Hz~5MHz)
Maximum output power	25Wp	25Wp	25Wp
Voltage gain	x1/x10 adjustable	x1/x10 adjustable	x1/x10 adjustable
Load R_L upper limit	$\geq 6\Omega$	$\geq 6\Omega$	$\geq 6\Omega$
Slew Rate	56V/ μ s	167V/ μ s	278V/ μ s
Output resistance	0.5 Ω / 50 Ω (Customizable)		
Input resistance	50 Ω / 1M Ω		
Input amplitude	0~10Vp-pMAX		
Output voltage error	$\leq \pm 3\%$ FS@1kHz		
Total harmonic distortion (THD)	$\leq 0.5\%$ @1kHz, 25Vp-p		
Output voltage zero-point drift	≤ 0.2 V		
Noise	10mVrms		
Output Connector	BNC		

Protection	Overcurrent protection
Signal Ground	It is connected with the grounding of the shell and the power line
Supply voltage	AC220V±10%, 50Hz
Fuse	2A/250V
Operating temperature	0°C~45°C
Storage temperature	-20°C~50°C
Humidity	≤80%RH, no condensation
Size (W * H * D)	168*55*290mm

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