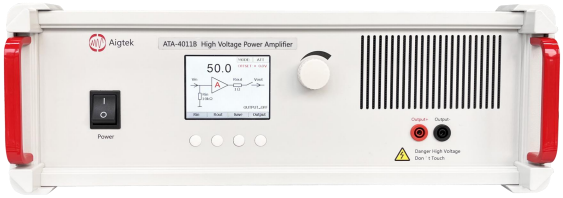
ATA-4011B High Voltage Power Amplifier

- Maximum output voltage 160Vp-p(±80Vp)
- Maximum output current 1.41Ap
- Bandwidth（-3dB）DC~1.2MHz
- Slew rate ≥426V/μs
- Dc offset voltage ±75V
- Operating voltage AC110V~240V，50/60Hz



Description

ATA-4011Bis a single-channel high voltage amplifier capable of amplifying AC/DC signals. Maximum output 160Vp-p（±80Vp) voltage，112.8Wp power，can drive high voltage power type load. The voltage gain can be adjusted by numerical control, and the setting parameters can be saved automatically. It can be used with signal generator to realize the lossless amplification of the signal.

Input

BNC connector for the port of Input, input resistance 50Ω,10kΩ optional, which can match the mainstream signal generator brands on the market.

LCD Display

ATA-4011B adopts LCD screen to display the equipment status and parameters. The operation interface is simple and easy to understand.

Voltage Gain

Voltage gain 0-50 times continuously adjustable, 1 step for coarse tuning, 0.1 step for fine tuning. Combined with the LCD display of voltage gain, the required voltage value could be adjusted quickly.

Monitor

20mV/V Monitor：the port voltage is 1/50 of the Output port, BNC connector for the Monitor port, which can be connected to the oscilloscope directly to achieve real time monitoring of the output voltage.

1V/A Monitor：the port current is 1 time of the Output port, BNC connector for the Monitor port, which can be connected to the oscilloscope directly to achieve real time monitoring of the output current.

Output

Banana connector for the port of Output

Maximum output voltage 160Vp-p(±80Vp)

Maximum output current 1.41Ap

Aigtek

Specification

Model	ATA-4011B	**Output Voltage Error**	≤±3%FS@1kHz
No. Of Channel	1	**Voltage Monitor**	20mV/V
Form of Output	Single-ended output	**Current Monitor**	1V/A
Bandwidth（-3dB)	DC~1.2MHz	**THD**	≤0.1%@1kHz，100Vp-p
Max. Output Voltage	160Vp-p（±80Vp)	**Zero Drift of Output Voltage**	≤±0.1V
Max. Output Current	0.5Ap（DC~50Hz）	**Signal-noise ratio (SNR)**	≥80dB
	1.41Ap（＞50Hz）	**Output Connector**	4mm banana connector
Max. Output Power	112.8Wp	**Protection**	Over current protection
Fuse	5A/250V	**Signal Ground**	Connected to the case and power line
Voltage Gain	x0~50（0.1 step/1 step)	**Supply Voltage**	AC110~240V，50/60Hz
Upper Limit of Load R_L	≥159Ω（DC~50Hz)	**Operating Temperature**	0°C ~ 45°C
	≥55.7Ω（＞50Hz)	**Storage Temperature**	-20°C ~ 50°C
Slew Rate	≥426V/μs	**Humidity**	≤80% RH，no condensation
DC Offset	±75V（0.1V step/1V step)	**Warranty**	3 years
Output Impedance	1Ω+2μH	**Dimension**	440*163*470mm (w * h * d)
Input Resistance	50Ω / 10kΩ		
Input Amplitude	0~10Vp-pMAX		

Ordering Information

Model:	**ATA-4011B**
Description:	DC~1.2MHz（-3dB）high voltage power amplifier
Accessories:	Power Cord*1 pc，BNC Cable*3 pcs, Output Cable*1 set， Safety Tube *1 pc，Product Instruction Manual, Certificate of Conformity, Packing List, Ex-factory Test Report
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