

ATA-7050 High Voltage Amplifier

Single channel
Bandwidth (-3dB) DC~5kHz
Maximum output voltage 10kVp-p (± 5 kVp)
Maximum output current 20mA
Slew rate ≥ 111 V/ μ s



Description

ATA-7050 a high voltage amplifier capable of amplifying AC/DC signals. Single ended output 10kVp-p (± 5 kVp) high voltage, can drive the high voltage load. The voltage gain can be adjusted by numerical control, one key to save the settings. It can be used with signal generator to realize the lossless amplification of the signal.

Input

BNC connector for the port of Input

Output

High voltage connector for the port of output, maximum output voltage 10kVp-p (± 5 kVp) , maximum output current 20mA

LCD Display

ATA-7050 adopts LCD screen to display the equipment status and parameters. The operation interface is simple and easy to understand.

Voltage Gain

Voltage gain 0-2000 times continuously adjustable, 10 step for coarse tuning, 1 step for fine tuning. Combined with the LCD display of voltage gain, the required voltage value could be adjusted quickly.

Monitor

1/1000 Monitor: the port voltage is 1/1000 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.

Specification

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|--|---|
| Model | ATA-7050 |
| No. of Channel | 1 |
| Form of Output | single-ended output |
| Bandwidth (-3dB) | DC~5kHz |
| Max. Output Voltage | 10kVp-p (± 5 kVp) |
| Max. Output Current | 10mA _p (DC~50Hz) |
| | 20mA _p (>50Hz) |
| Max. Output Power | 100W _p |
| Fuse | 4A/250V |
| Voltage Gain | x0~2000 (1 step/10 step) |
| Upper Limit of Load R_L | $\geq 495\text{k}\Omega$ (DC~50Hz) |
| | $\geq 245\text{k}\Omega$ (>50Hz) |
| Output Resistance | 5k Ω , 200k Ω switchable |
| Input Resistance | 10k Ω |
| Input Amplitude | 0~10V _{p-p} MAX |
| Output Voltage Error | $\leq \pm 3\%$ @(DC, 5kV) |
| Voltage Monitor | 1000:1 |
| Slew Rate | $\geq 111\text{V}/\mu\text{s}$ |
| (THD) | $\leq 1\%$ @1kHz, 1kV _{p-p} |
| Zero Drift of Output | $\leq \pm 1\text{V}$ |
| Output Connector | high voltage connector |
| Protection | over current protection |
| Signal Ground | connected to the case and power line |

Other

| | |
|------------------------------|---------------------------------|
| Supply Voltage | AC 220V $\pm 10\%$, 50Hz |
| Operating Temperature | 0°C ~ 45°C |
| Storage Temperature | -20°C ~ 50°C |
| Humidity | $\leq 80\%$ RH, no condensation |
| Warranty | 3 years |
| Dimension | 440*290*565mm (w * h * d) |

Ordering Information

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|--------------------|---|
| Model | ATA-7050 |
| Description | DC~5kHz (-3dB) single channel high voltage power amplifier |
| Accessories | Power Cord*1 pc BNC Cable*2 pcs High Voltage Output Cable*1 pc Safety Tube *1 pc, Product Instruction Manual *1 Certificate of Conformity *1 Packing List *1 Ex-factory Test Report *1 |
| Contact | 86-29-88865020 |

