

ATA-1372A Wide Band Amplifier

- Single Channel
- Maximum Output Voltage: 70 Vp-p (± 35 Vp)
- Maximum Output Current: 2Ap
- Bandwidth (-3dB): DC~3MHz
- Slew Rate: ≥ 467 V/ μ s



INTRODUCTION

The ATA-1372A is a single-channel wideband amplifier capable of amplifying both AC and DC signals. It features a maximum output voltage of 70 Vp-p (± 35 Vp) and a maximum output current of 2 Ap (>50 Hz). The digitally adjustable voltage gain allows precise tuning, with one-click saving of settings, offering a simple and user-friendly operation. It is compatible with mainstream signal generators for seamless signal amplification.

LCD PANEL DISPLAY

The ATA-1372A features an LCD panel display that dynamically shows device status and parameters. The interface is intuitive, clear, and easy to understand, ensuring a user-friendly experience.

VOLTAGE GAIN

The voltage gain is digitally adjustable from x0 to x40, with two modes: coarse adjustment (1 step) and fine adjustment (0.1 step). Combined with the LCD panel display, it enables quick and precise adjustment to the desired voltage value.

INPUT

The input uses a BNC interface with selectable impedance of 50 Ω or 10k Ω , perfectly matching both high and low impedance signal sources.

OUTPUT

The output uses a BNC interface with a maximum output voltage of 70 Vp-p (± 35 Vp) and a maximum output current of 2 Ap.

MONITORING PORTS

100mV/V Monitor: This port is for voltage monitoring and can be connected to an oscilloscope for real-time monitoring of the output voltage.

1V/A Monitor: This port is for current monitoring and can be connected to an oscilloscope for real-time monitoring of the output current.

Specifications

Model	ATA-1372A
Output Type	Single-ended Output
Bandwidth (-3 dB)	DC~3MHz
Maximum Output Voltage	70Vp-p (± 35 Vp)
Maximum Output Current	1 Ap (DC~50 Hz) 2Ap (> 50Hz)
Maximum Output Power	70Wp
Voltage Gain	x0~40 (0.1step/1step)
Load RL Upper Limit	$\geq 33\Omega$ (DC~50Hz) $\geq 15.5\Omega$ (> 50Hz)
Slew Rate	≥ 467 V/ μ s
Voltage Monitoring	100mV/V($\pm 5\%$ @Output,FS)
Current Monitoring	1V/A($\pm 5\%$ @Output,FS)
Output Impedance	$\leq (2\Omega + 0.4\mu$ H)
Input Impedance	50 Ω / 10k Ω
Input Amplitude	0~10Vp-pMax
Output Voltage Error	$\leq \pm 2\%$ FS@1kHz
Total Harmonic Distortion (THD)	$\leq 1\%$ @1kHz,70Vp-p
Output Voltage Drift	$\leq \pm 10$ mV
Ripple	≤ 10 mV
Fuse	2A/250V
Output Interface	BNC
Protection	Over Current and Over Temperature Protection
Signal Ground	Connected to chassis and power line ground

Others

Power Supply Voltage	AC110V~240V, 50/60Hz
Operating Temperature	0°C ~ 45°C
Storage Temperature	-20°C ~ 50°C
Working Humidity	$\leq 80\%$ RH, non-condensing
Warranty	1 year
Dimensions	330*149*398mm (W*H*D)

Ordering Information

Model	ATA-1372A Wide Band Amplifier
Accessories	Power cable*1, BNC cable*3, BNC-to-alligator clip cable*1, USB cable*1, fuse*1, user manual, usage guide, product qualification certificate, calibration certificate, and packing list (one copy each).
Contact Us	+86-29-88865020