ATA-3080C Power Amplifier

- Maximum Output Voltage: 160 Vp-p (±80 Vp)
- Maximum Output Current: 10Ap
- Bandwidth (-3dB): DC~120kHz
- Slew Rate: ⩾42.6 V/μs

INTRODUCTION

The ATA-3080C is an ideal power amplifier capable of amplifying both AC and DC signals. With a maximum output power of 800 Wp, it can drive high-power loads. The gain is digitally adjustable, with one-click saving of commonly used settings, providing a convenient and user-friendly operation. It is compatible with mainstream signal generators, ensuring seamless signal amplification. The wide-range power supply accommodates different regional power standards worldwide.

LCD PANEL DISPLAY

The LCD panel display dynamically shows the device status and parameters, offering a clear and intuitive interface.

VOLTAGE GAIN

The voltage gain is digitally adjustable from 0~60x, 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 interface uses a BNC interface, supporting input waveform amplitudes from 0~10 Vp-p MAX. The input impedance has two selectable options: 50Ω and 100kΩ, perfectly matching both high and low-impedance signal sources.

OUTPUT

Output Interface: Banana socket, with a maximum output voltage of 160 Vp-p (±80 Vp), and a maximum output current of 10 Ap.

Applications

Ultrasonic Testing

Electromagnetic Testing

Battery Testing

Various Semiconductor Testing

Specifications

Model	ATA-3080C
Output Type	Single-ended Output
Bandwidth (-3 dB)	DC~120kHz
Maximum Output Voltage	160Vp-p (±80Vp)
Maximum Output Current	5Ap (DC~50Hz) 10Ap (>50Hz)
Maximum Output Power	800Wp
Fuse	10A/250V
Voltage Gain	x0~60 (0.1step/1step)
Load RL Upper Limit	≥ 15.9Ω (DC~50Hz) ≥ 7.9Ω (>50Hz)
DC Bias Adjustment	±80V(0.1V step/1V step)
Output Impedance	0.1Ω
Input Impedance	50Ω / 100kΩ
Input Amplitude	0~10 Vp-p MAX
Output Voltage Error	≤ ±3% FS @ 1 kHz
Voltage Monitoring	20mV/V(±5%@Output,FS)
Current Monitoring	0.1V/A(±5%@Output,FS)
Slew Rate	≥ 42.6V/μs
Total Harmonic Distortion (THD)	≤ 0.1%@1kHz, 100Vp-p
Output Voltage Drift	≤ ±0.05V
Ripple	≤ 0.01Vrms
Output Interface	4mm Banana socket
Protection	Short Circuit Protection, Over Voltage Protection, and Over Temperature Protection.
Signal Ground	Connected to chassis and power line ground

Others

Power Supply Voltage	AC110~240V, 50/60Hz
Operating Temperature	0℃ ~ 45℃
Storage Temperature	-20℃ ~ 50℃
Working Humidity	≤ 80% RH, non-condensing
Warranty	1 year
Dimensions	440*149*535mm (W*H*D)

Ordering Information

Model	ATA-3080C Power Amplifier
Accessories	Power cable*1, BNC cable*3, red-black output cable*1 set, 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