

SLA-P-375 Power Amplifier

Single channel

The output voltage ranges from 0V to 150V

Maximum output current 2.5Ap

Bandwidth (-3dB) DC to 1kHz

Slew rate $\geq 0.67V/\mu s$



Overview

SLA-P-375 is an ideal single-channel power amplifier for amplifying AC-DC signals. With a maximum output power of 375Wp, it can drive piezoelectric brake products such as piezoelectric ceramic plates, stacked piezoelectric ceramics, open-loop packaged piezoelectric ceramics and nano-positioning table. The voltage gain can be adjusted, and the common Settings can be saved with one key, providing a convenient and simple choice of operation. It can be used with the mainstream signal generator to achieve perfect signal amplification.

Input

The input is BNC interface. Input resistance 10K Ω .

Output

Output banana socket, the maximum output voltage 0V~150V, the maximum output current 2.5Ap.

LCD Panels Display

Operation panel LCD display, device status and parameters dynamic display, interactive interface at a glance, simple and easy to understand.

Voltage Gain

The voltage gain is adjustable from 0 to 50 times, which can be divided into coarse adjustment (1step) and fine adjustment (0.1step). Combined with the display of the LCD panel gain, the voltage can be quickly adjusted to the required value.

Monitor

Output current monitor: 1V/A

Output voltage monitor: 50mV/V

The output monitoring port is BNC connector, which can be directly connected to the oscilloscope
Real-time monitoring.

Specifications

Model	SLA-P-375
Channel	1
Form of output	Single output
Bandwidth (-3dB)	DC~1kHz
Maximum output voltage	0V~150V
Maximum output current	1.25Ap (DC~50Hz)
	2.5Ap (>50Hz)
Maximum output power	375Wp
Fuse	8A/250V
Voltage gain	x0~50 (0.1 step/1 step)
Upper limit of load R_L	$\geq 119\Omega$ (DC~50Hz)
	$\geq 59\Omega$ (>50Hz)
Slew rate	$\geq 0.67V/\mu s$
Output resistance	1 Ω
Input resistance	10k Ω
Voltage monitor	50mV/V
Current monitor	1V/A
Output voltage error	$\leq \pm 3\%FS@1kHz$
Total harmonic distortion (THD)	$\leq 0.5\%@1kHz$, 90Vp-p
Zero-point drift of output voltage	$\leq \pm 0.3V$
Output connector	4mm banana socket
Protection	Over current protection, over voltage protection, over temperature protection
Signal ground	Connected with the grounding of the shell and the power line.

Other

Supply voltage	AC110~240V, 50/60Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	$\leq 80\%$ RH, no condensation
Warranty	3 years
Size	440*163*565mm (w * h * d)

Order

Model	SLA-P-375 Power Amplifier
Parameters	DC~1kHz (-3dB) 0V~150V
Accessories	*1 three-core power cord, *3 BNC wires, *1 set of output wires, *1 safety tube, 1 copy of product specification, certificate of conformity, packing list and factory test report.
Contact	sales@salukitec.com