

SLA-HVP-437 High Voltage Power Amplifier

Maximum output voltage 310Vp-p(± 155 Vp)

The maximum output current is 2.82Ap

Bandwidth (-3dB) DC to 500kHz

Slew rate ≥ 345 V/ μ s



Overview

SLA-HVP-437 is an ideal single-channel high-voltage power amplifier for amplifying AC and DC signals. Maximum output voltage of 310 vp-p (± 155 Vp), power of 437.1Wp, can drive high voltage power type load. Voltage gain CNC adjustable, one key to save the common Settings, provides you with a convenient and simple choice of operation, can be used with the mainstream signal generator, to achieve perfect signal amplification.

Voltage Gain

Voltage gain 0~100 times NC adjustable, specifically divided into coarse adjustment (1step) and fine adjustment (0.1 step) two. Combined with the LCD panel gain display, can quickly and accurately adjust to the required voltage value.

LCD Panels Display

SLA-HVP-437 adopts liquid crystal display, dynamic display of device status and parameters, different color prompts make man-machine interaction more efficient, operation interface at a glance, simple and easy to understand.

Monitor

1/100 Monitor: The voltage of this port is 1/100 of the output port, and the monitoring port is a BNC connector, which can be directly connected to the oscilloscope for real-time monitoring of the output voltage.

Output & Input

The output is banana socket, the maximum output voltage is 310Vp-p(± 155 Vp), the maximum output current is 2.82Ap. The output voltage rail is adjustable in three gears. The input is BNC interface, input resistance of 50 Ω , 5k Ω two optional, perfect match high and low internal resistance signal source.

Specifications

Model	SLA-HVP-437
Form of output	Single output
Bandwidth (-3dB)	DC to 500kHz
Maximum output voltage	310Vp-p(± 155 Vp)
Maximum output current	1Ap (DC~50Hz)
	2.82Ap, 2Arms (> 50Hz)
Maximum output power	437.1Wp
Fuse	10A/250V
Voltage gain	x0~100 (0.1 step/1 step)
Upper limit of load R_L	$\geq 154.5\Omega$ (DC~50Hz)
	$\geq 54.46\Omega$ (> 50Hz)
Output impedance	$0.5\Omega + 1.6\mu H$
Slew rate	$\geq 345V/\mu s$
DC offset	$\pm 150V$ (0.1V step/ 1V step)
Input impedance	$50\Omega / 5k\Omega$
Input amplitude	0~10Vp-pMAX
Output voltage error	$\leq \pm 3\%FS@1kHz$
Voltage monitor	100: 1
Total harmonic distortion	$\leq 0.1\%@1kHz$, 100Vp-p
Zero-point drift of output voltage	$\leq \pm 0.1V$
Signal-noise ratio(SNR)	$\geq 80dB$
Output connector	4mm Banana socket
Protection	Overcurrent 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*290*470mm(w * h * d)

Order

Model	SLA-HVP-437 High Voltage Power Amplifier
Parameters	DC to 500kHz (-3dB)
Accessories	*1 three-core power cord, *2 BNC wires, *1 set of output wires, *1 safety tube, product specification, certificate, packing list and factory test report each.
Contact	sales@salukitec.com