SLA-HVP-452 High Voltage Power Amplifier

Maximum output voltage 160Vp-p(±80Vp)

The maximum output current is 5.65Ap

Bandwidth (-3dB) DC to 1MHz

Slew rate ≥356V/μs

Overview

SLA-HVP-452 is an ideal single-channel high-voltage power amplifier for amplifying AC and DC signals. Maximum output voltage of 160 vp-p (±80Vp), power of 452Wp, 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 0~50 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-452 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 160Vp-p(±80Vp), the maximum output current is 5.65Ap. The output voltage rail is adjustable in three gears. The input is BNC interface, input resistance of 50Ω, 5kΩ two optional, perfect match high and low internal resistance signal source.

sales@salukitec.com

Specifications

Model	SLA-HVP-452
Form of output	Single output
Bandwidth（-3dB)	DC to 1MHz
Maximum output voltage	160Vp-p(±80Vp)
Maximum output current	2Ap（DC~50Hz)
	5.65Ap, 4Arms（＞50Hz)
Maximum output power	452Wp
Fuse	8A/250V
Voltage gain	x0~50（0.1 step/1 step)
Upper limit of load R_L	≥39.75Ω（DC~50Hz)
	≥13.91Ω（＞50Hz)
Output impedance	0.25Ω+0.6μH
Slew rate	≥356V/μs
DC offset	±75V(0.1V step)
Input resistance	50Ω / 5kΩ
Input amplitude	0~10Vp-pMAX
Output voltage error	≤±3%FS@1kHz
Voltage monitor	100:1
Current monitor	/
Total harmonic distortion	≤0.1%@1kHz，100Vp-p
Zero-point drift of output voltage	≤±0.1V
Signal-noise ratio(SNR)	≥80dB
Output connector	4mm Banana socket
Protection	Overcurrent protection

Other

Supply voltage	AC110~240V, 50/60Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	≤80% RH，no condensation
Warranty	3 years
Size	440*163*470mm(w * h * d)

Order

Model	**SLA-HVP-452** **High Voltage Power Amplifier**
Parameters	DC to 1MHz（-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