

SLA-HV-300D High Voltage Amplifier

Dual channel

Maximum output voltage 300Vp-p(± 150 Vp)

Maximum output current 120mA

Bandwidth (-3dB) DC to 500kHz

Slew rate ≥ 334 V/ μ s



Overview

SLA-HV-300D is a dual-channel high voltage amplifier that can amplify AC and DC signals. Maximum output voltage 300Vp-p (± 150 Vp), output voltage range can be adjusted according to the output rail; The DC bias voltage can be adjusted in three grades, and the maximum output can be ± 160 V for continuous change, which can realize the demand of output asymmetric signal and drive high-voltage load. Input and output resistance two gear switching, voltage gain can be adjusted NC, set parameters automatically save, with program control function, simple and convenient operation, can be used with the 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-HV-300D 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 300Vp-p(± 150 Vp), the maximum output current is 120mA. 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-HV-300D
Channel	2
Form of output	Single output
Bandwidth (-3dB)	DC to 500kHz
Maximum output voltage	300Vp-p(± 150 Vp)
Range of output voltage	/
	/
	/
Maximum output current	60mA _p (DC~50Hz)
	120mA _p (> 50Hz)
Maximum output power	18W _p
Fuse	2A/250V
Voltage gain	x0~50 (0.1 step/1 step)
Upper limit of load R_L	$\geq 2.45k\Omega$ (DC~50Hz)
	$\geq 1.2k\Omega$ (> 50Hz)
DC offset	/
Voltage range of DC offset	/
	/
	/
Output resistance	50 Ω /2.5k Ω (customizable)
Slew rate	$\geq 334V/\mu s$
Input resistance	50 Ω / 5k Ω
Voltage monitor	100: 1
Current monitor	/
Input amplitude	0~10Vp-pMAX
Output voltage error	$\leq \pm 3\%FS@1kHz$
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 housing and power cord

Other

Supply voltage	AC220V $\pm 10\%$,50Hz
Operating temperature	0°C ~ 45°C
Storage temperature	-20°C ~ 50°C
Humidity	$\leq 80\%$ RH, no condensation
Warranty	3 years
Size	365*163*365mm(w * h * d)

Order

Model	SLA-HV-300D High Voltage Amplifier
Parameters	DC to 500kHz (-3dB)
Accessories	*1 three-core power cord, *4 BNC wires, *2 sets of output wires, *1 safety tube, product specification, certificate, packing list and factory test report each.
Contact	sales@salukitec.com