

## SLA-5-25 Power Amplifier

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Bandwidth (-3dB) DC~5MHz

Maximum output voltage 25Vp-p( $\pm 12.5$ Vp)

Maximum output current 2Ap

Slew rate  $\geq 278$ V/ $\mu$ s



### Overview

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The SLA-5-25 is an ideal single channel for amplifying AC and DC signals Power amplifier. Maximum output voltage 25Vp-p ( $\pm 12.5$ Vp), output Power 25Wp, can be used with the mainstream signal generator, to achieve the letter Perfect magnification of number.

### Input

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The input is BNC interface. Input waveform amplitude 0~10Vp-pMAX; Input resistance 50 $\Omega$ , 1M $\Omega$  two optional, perfect match high and low internal resistance signal source.

### Output

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The output is a BNC interface.

### LCD Panels Display

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SLA-5-25 adopts LCD panel display, dynamic display of device status and parameters, clear operation interface, simple and easy to understand.

### Voltage Gain

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SLA-5-25 Power amplifier voltage gain x1/x10 adjustable.

### Application

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- Electronic experiments in universities
- MEMS
- Ultrasonic tests
- To drive the electromagnetic field
- Used for piezoelectric ceramic drive

## Specifications

<b>Model</b>	SLA-5-25
<b>Form of output</b>	Single output
<b>Bandwidth (-3dB)</b>	DC~5MHz
<b>Maximum output voltage</b>	25Vp-p ( $\pm 12.5Vp$ )
<b>Maximum output current</b>	1Ap (DC~50Hz)
	2Ap (>50Hz)
<b>Maximum output power</b>	25Wp
<b>Fuse</b>	2A/250V
<b>Voltage gain</b>	x1/x10 adjustable
<b>Upper limit of load <math>R_L</math></b>	$\geq 12\Omega$ (DC~50Hz)
	$\geq 5.75\Omega$ (>50Hz)
<b>Slew rate</b>	$\geq 278V/\mu s$
<b>Output resistance</b>	0.5 $\Omega$ /50 $\Omega$
<b>Input resistance</b>	50 $\Omega$ /1M $\Omega$
<b>Input amplitude</b>	0~10Vp-pMAX
<b>Output voltage error</b>	$\leq \pm 3\%FS@1kHz$
<b>Total harmonic distortion (THD)</b>	$\leq 0.5\%@1kHz$ , 25Vp-p
<b>Zero-point drift of output voltage</b>	$\leq \pm 0.2V$
<b>Signal-noise ratio(SNR)</b>	$\geq 60dB$
<b>Output connector</b>	BNC
<b>Protection</b>	Overcurrent protection
<b>Signal ground</b>	Connected with the grounding of the shell and the power line.

## Other

<b>Supply voltage</b>	AC220V $\pm 10\%$ , 50Hz
<b>Operating temperature</b>	0 $^{\circ}C$ ~ 45 $^{\circ}C$
<b>Storage temperature</b>	-20 $^{\circ}C$ ~ 50 $^{\circ}C$
<b>Humidity</b>	$\leq 80\%$ RH, no condensation
<b>Warranty</b>	3 years
<b>Size</b>	168*55*290mm (w * h * d)

## Order

<b>Model</b>	SLA-5-25
<b>Parameters</b>	DC~1MHz (-3dB) Power Amplifier
<b>Accessories</b>	Three-core power cord *1, BNC cable *2, USB communication cable *1, safety tube *1, product manual, certificate, packing list, factory test report 1 each.
<b>Contact</b>	sales@salukitec.com