

SLA-1-25 Power Amplifier

Bandwidth (-3dB) DC~1MHz

Maximum output voltage 25Vp-p(± 12.5 Vp)

Maximum output current 2Ap

Slew rate ≥ 56 V/ μ s



Overview

The SLA-1-25 is an ideal single channel for amplifying AC and DC signals Power amplifier. Maximum output voltage 25Vp-p (± 12.5 Vp), output Power 25Wp, can be used with the mainstream signal generator, to achieve the letter Perfect magnification of number.

Input

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

Output

The output is a BNC interface.

LCD Panels Display

SLA-1-25 adopts LCD panel display, dynamic display of device status and parameters, clear operation interface, simple and easy to understand.

Voltage Gain

SLA-1-25 Power amplifier voltage gain x1/x10 adjustable.

Application

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

Specifications

Model	SLA-1-25
Form of output	Single output
Bandwidth (-3dB)	DC~1MHz
Maximum output voltage	25Vp-p ($\pm 12.5Vp$)
Maximum output current	1Ap (DC~50Hz)
	2Ap (>50Hz)
Maximum output power	25Wp
Fuse	2A/250V
Voltage gain	x1/x10 adjustable
Upper limit of load R_L	$\geq 12\Omega$ (DC~50Hz)
	$\geq 5.75\Omega$ (>50Hz)
Slew rate	$\geq 56V/\mu s$
Output resistance	0.5 Ω /50 Ω
Input resistance	50 Ω /1M Ω
Input amplitude	0~10Vp-pMAX
Output voltage error	$\leq \pm 3\%FS@1kHz$
Total harmonic distortion (THD)	$\leq 0.5\%@1kHz$, 25Vp-p
Zero-point drift of output voltage	$\leq \pm 0.2V$
Signal-noise ratio(SNR)	$\geq 60dB$
Output connector	BNC
Protection	Overcurrent protection
Signal ground	Connected with the grounding of the shell and the power line.

Other

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

Order

Model	SLA-1-25
Parameters	DC~1MHz (-3dB) Power Amplifier
Accessories	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.
Contact	sales@salukitec.com