

# 1 Channel | E81.A1K-H Piezo Amplifier



## Introduction

E81.A1K-H is high-power piezoceramic controller that is ideally suited for driving and testing of large quantities of piezoceramics with adjustable frequency and output voltage.

### Characteristics >>

- High power
- Peak current > 6A
- Output voltage -20~150V
- Ave.current to 2A

### Applications >>

- Driving piezo actuator
- Driving piezo nanopositioning stage
- Driving piezo objective scanner
- Driving piezo shifter
- Driving FTS fast tool positioner
- Driving piezo scanning platform
- Driving capacitive load



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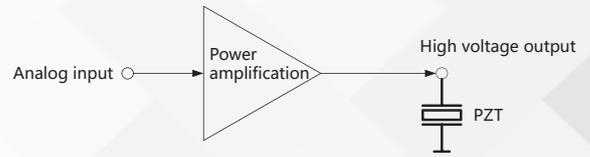
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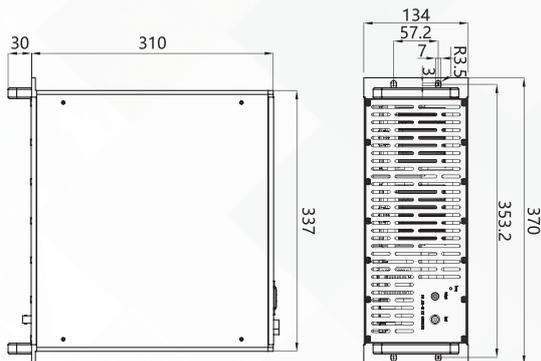
### Technical Data >>

Type	E81.A1K-H	Units
Input voltage range	-1.33~10	V
Output voltage range	-20~150	V
Peak current	>6	A
Ave. current	2 (±10%)	A
Gain	15	
Amplifier bandwidth	10	kHz
Ripple	20 (@2.2μF)	mVpp
Operating temperature	0~50	°C
Output current, short-circuit	80	mA
Analog input connector	BNC-50KY female	
PZT connector	ERA.0S.116.CTL	
Power supply	220VAC	
Power interface	IPZ-4	
Static power	<35	W
Size	L370× H134× D310	mm
Mass	9180	g±5%

### Driving Principle >>



### Drawing >>



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