

3 Channels | E80.B3K-I Piezo Controller



Introduction

E80.B3K-I piezo controller is designed for driving piezo steering mirror with 3 channels output that contains one constant voltage output, which is very suitable for differential drive. E80.B3K-I1 piezo controller has the function of sensor monitor that can output sensor voltage signal that feedbacks the travel of PZT.

Characteristics >>

- -20~120V output
- Low profile, easy to integrate
- Suitable for driving piezo steering mirror
- Peak current up to 1A
- 3 channels output, containing one constant voltage output

Applications >>

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



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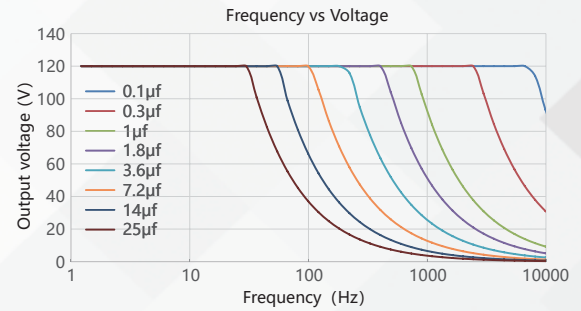
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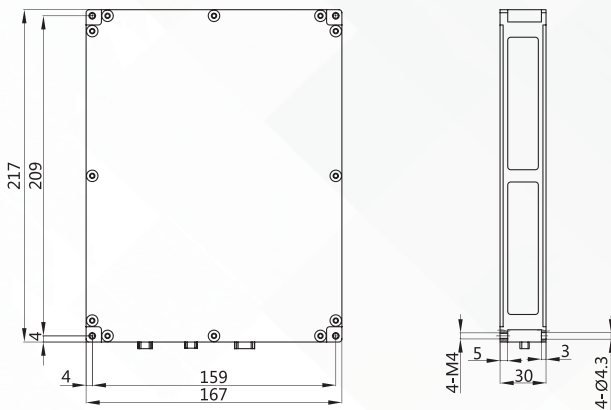
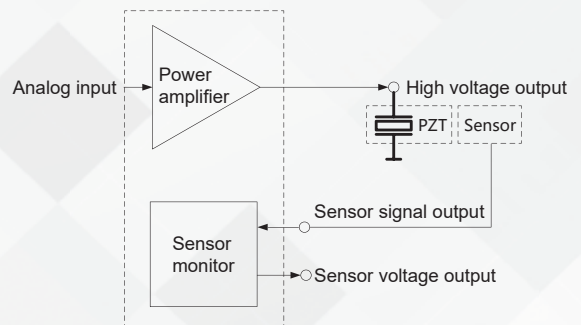
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Technical Data >>

Type	E80.B3K-I
Control way	Analog input
Channels	3, with 1 voltage constant output
Nominal analog input(V)	-0.83~5
Nominal output voltage(V)	-20~120, the 3 rd channel outputs 120V
Peak current(A)	1/channel
Ave. Current(mA)	100/channel
Bandwidth(kHz)	10
Output ripple(mV)	10/channel(2.2 μ F)
Power supply port	J30J-9ZKSP
Analog input port	J30J-9ZJSP
PZT output port	J30J-15ZKSP
Static power dissipation(W)	7
Operating temperature($^{\circ}$ C)	0~70
Power supply	28VDC
Size L×H×D(mm)	167×30×217
Mass(g)	1050

Curves >>


Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

Drawing >>

Driving Principle >>


E80.B3K-I Piezo controller(Only includes power amplification, sensor monitoring in the dashed box)


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