

1 Channel | E53.B1S

Piezo Controller



Characteristics

- Single channel
- Small size
- 24VDC1.5A (36W) power supply
- Easy to integration
- Open loop or Servo control

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

Introduction

To meet the small-volume application requirements, CoreMorrow develops E53.B piezo controller. It is a single-channel controller controlled by analog signals. The power supply is 24VDC/1.5A. The body has a heat-dissipating area that conducts the heat generated.



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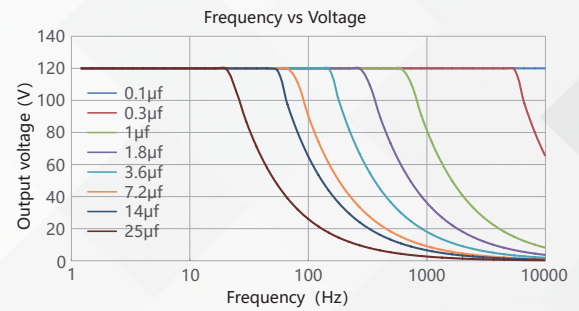
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Technical Data >>

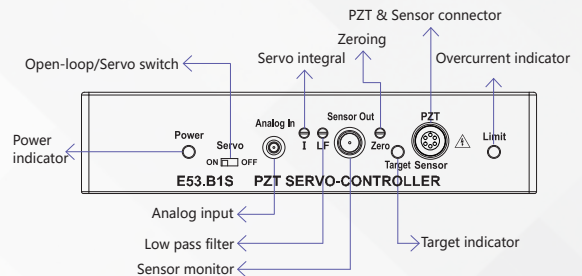
Type	E53.B1S
Channels	1
Analog input(V)	-1.67~10
Output voltage(V)	-20~120 (optional -20~150)
Peak current(A)	1
Ave. current(mA)	60
Bandwidth(kHz)	10
Output voltage ripple(mVpp)	10(@2.2μF)
PZT connector	EPG.0B.306.HLN
Control input connector	SMB
Sensor type	SGS
Servo	Analog P-I+Notch filter+Low pass
Sensor connector	EPG.0B.306.HLN
Sensor Output connector	SMA
Operating temperature(°C)	0~50
Output current, short-circuit(mA)	60
Overcurrent indicator	Lights when output ave. current > 60mA
Static power(W)	< 4
Size(mm) (L×H×D)	123×27.5×80
Mass(g)	320
Power supply	24V(20~30V)DC1.5A(36W)

Curves >>

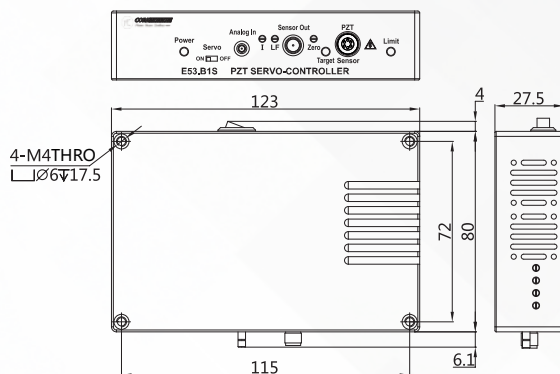


Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

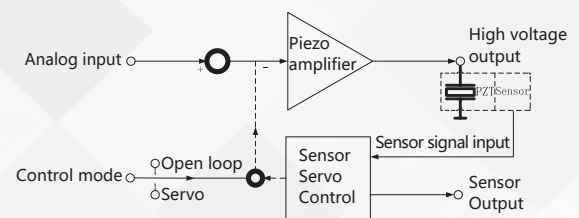
Panel Introduction >>



Drawing >>



Driving Principle >>



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