

7 Channels | E51.D7S

Piezo Servo Controller



Introduction

E51.D7S piezo servo controller with 7 channels output, containing one channel outputting constant voltage, outputs -20~120V, and E51.D7S suits for 6-axis piezo stage with differential drive.

Characteristics >>

- 7-channel output
- Output voltage -20~120V
- Software control
- Can drive a 6-axis piezo stage
- Small size

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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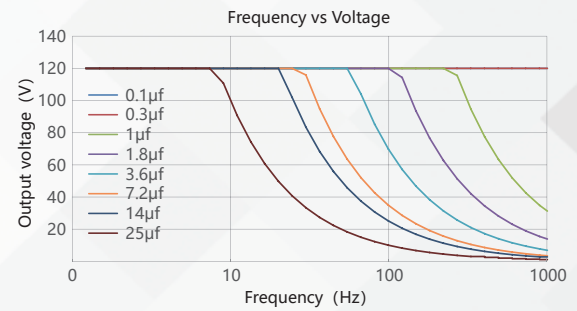
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Technical Data >>

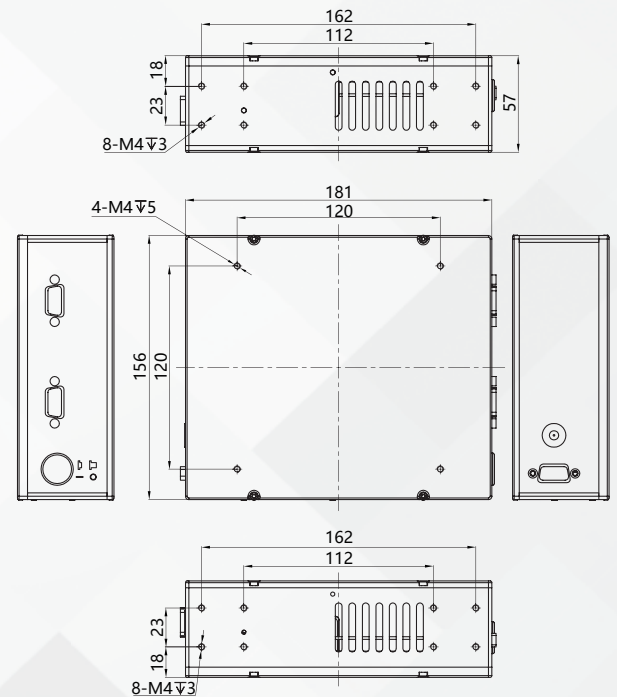
Type	E51.D7S
Functions	Analog servo controller
Control mode	Digital signal
Channels	7
Analog input(V)	-
Output voltage(V)	-20~120, with one constant output
Peak current(mA)	185/ channel
Ave. current(mA)	25/ channel
Input power(W)	90
Bandwidth(kHz)	1
Output voltage ripple(mV)	5 (1.8μF)
Sensor type	SGS
Servo characteristics	Analog P-I
Input connector (PWR&CTL)	-
Output connector (PZT&Sensor)	HDB15 (Hole)
Communication interface	D-SUB 9-hole socket
Protection	Over-current protection
Static power(W)	7.2
Operating temperature(° C)	0~50
Heat dissipation	Natural heat dissipation
Size(mm)	156×57×181
Mass(g)	1450
Power supply(V DC)	24
Power interface	DC-044B-J(2.5)
Communication interface	RS-422

Curves >>



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

Drawing >>



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