

18 Channels | E51.D12S

Piezo Servo Controller



Introduction

E51.D12S piezo servo controller is designed for driving multiple piezo steering mirror, can drive 6 piezo steering mirrors, and also can be used to drive other piezo products. It has 18 channels output.

Characteristics >>

- 18 channels, with 6 channels constant voltage
- Output -20~120V
- Digital signal control
- 18 channels, with 6 channels constant voltage

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



Harbin Core Tomorrow Science & Technology Co., Ltd.

Tel: +86-451-86268790

Email: info@coremorrow.com

Headquarters: Building I2, No.191 Xuefu Road, Nangang District, Harbin

Fax: +86-451-86267847

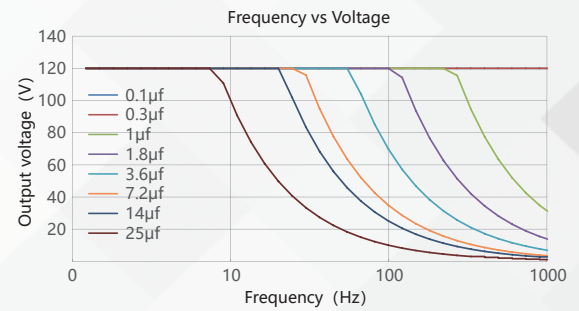
Web: www.coremorrow.com

Shanghai Office: Building 2, No.608 Shengxia Road, Pudong District, Shanghai

Technical Data >>

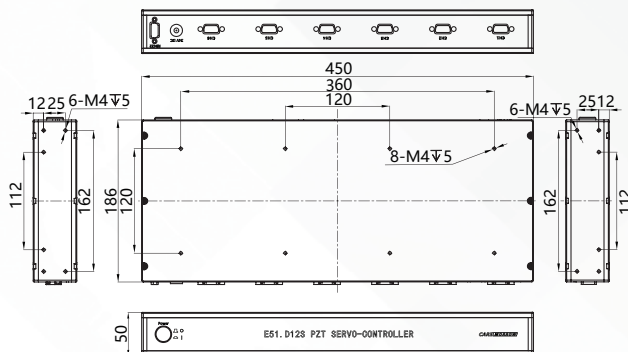
Type	E51.D12S
Functions	Analog servo controller
Control mode	Digital signal
Channels	18
Analog input(V)	-
Output voltage(V)	-20~120
Peak current(mA)	185/ channel
Ave. current(mA)	25/ channel
Input power(W)	90
Bandwidth(kHz)	1
Output voltage ripple(mV)	5 (1.8 μ F)
Sensor type	SGS
Servo characteristics	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)	21.6
Operating temperature(° C)	0~50
Heat dissipation	Nature heat dissipation
Size(mm)	450×50×186
Mass(g)	3600
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 >>



Piezo Tilt System >>

E51.D12S-I1 drives 6 piezo fast steering mirrors.



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