

1~6 channels | E01.A/E00.A

High Voltage Amplifier



Characteristics >>

- Output -500~+1500V
- 1 to 6 channels for choice
- Analog input control
- Bandwidth for small signal up to 10kHz

Applications >>

- Driving MFC micro fiber composite
- Driving high voltage piezo stack
- Driving high voltage piezo actuator, etc.

Introduction

E01.A/E00.A series high voltage piezo amplifier is designed for driving high voltage piezo actuators, like MFC micro fiber composite. Its output range is up to -500 to 1500V, and controlled by analog input signal.



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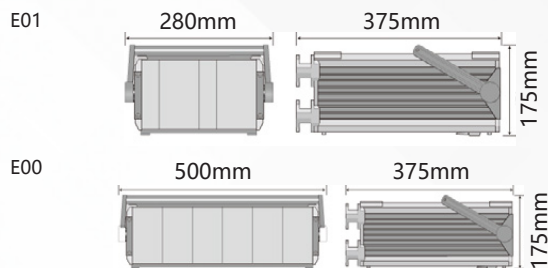
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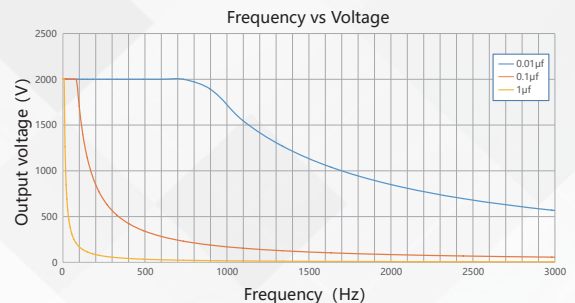
Technical Data >>

Type	E01.A1	E01.A2	E01.A3	E00.A4	E00.A5	E00.A6
Appearance						
Control	Analog input	Analog input	Analog input	Analog input	Analog input	Analog input
Channels	1	2	3	4	5	6
Input range(V)	-2.5~7.5	-2.5~7.5	-2.5~7.5	-2.5~7.5	-2.5V~7.5	-2.5~7.5
Output voltage(V)	-500~1500	-500~1500	-500~1500	-500~1500	-500~1500	-500~1500
Output ripple	50mVp-p(@1μF)	50mVp-p(@1μF)	50mVp-p(@1μF)	50mVp-p(@1μF)	50mVp-p(@1μF)	50mVp-p(@1μF)
Stability	<0.1%F.S./8hours	<0.1%F.S./8hours	<0.1%F.S./8hours	<0.1%F.S./8hours	<0.1%F.S./8hours	<0.1%F.S./8hours
Input impedance(KΩ)	100	100	100	100	100	100
Bandwidth(kHz)	2	2	2	2	2	2
Small signal bandwidth(kHz)	10	10	10	10	10	10
Ave.current	17mA@1000V, 1μF	17mA@1000V, 1μF	17mA@1000V, 1μF	17mA@1000V, 1μF	17mA@1000V, 1μF	17mA@1000V, 1μF
Peak current(mA)	55	55	55	55	55	55
Short-circuited proof(mA)	26	26	26	26	26	26
Control input connector	BNC-50KY female	BNC-50KY female	BNC-50KY female	BNC-50KY female	BNC-50KY female	BNC-50KY female
Voltage output connector	EGG.2B.302.CLL	EGG.2B.302.CLL	EGG.2B.302.CLL	EGG.2B.302.CLL	EGG.2B.302.CLL	EGG.2B.302.CLL
Power supply	AC 220V±10%, 50Hz±10%	AC 220V±10%, 50Hz±10%	AC 220V±10%, 50Hz±10%	AC 220V±10%, 50Hz±10%	AC 220V±10%, 50Hz±10%	AC 220V±10%, 50Hz±10%
Current limit	Short-circuited proof	Short-circuited proof	Short-circuited proof	Short-circuited proof	Short-circuited proof	Short-circuited proof
Size L×H×D(mm)	280×175×375	280×175×375	280×175×375	500×175×375	500×175×375	500×175×375
Heat dissipation	Fan	Fan	Fan	Fan	Fan	Fan

Drawing >>



Curves >>



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



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