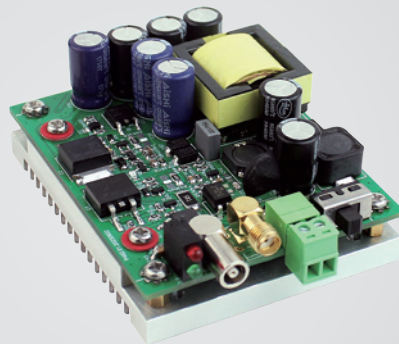


1 Channel | E53.A1K-K

Piezo Amplifier



Characteristics >>

- Analog input
- Single channel output
- Single channel output
- 24VDC/1.5A power supply

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

E53.A1K-K board-type piezo controller is specially customized according to customer requirements, and it's mainly used for driving piezo actuator. It is small in size and ideal for space-limited applications. Meanwhile, it's equipped with heat sink below the equipment, to achieve effective heat dissipation and avoid heat accumulation.



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

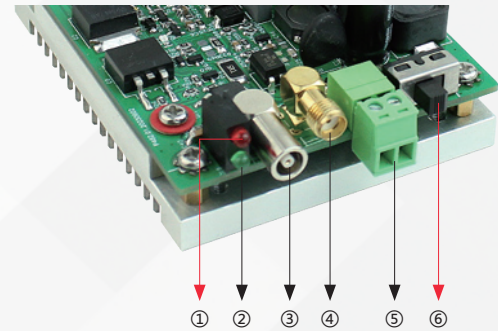
Web: www.coremorrow.com

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

Technical Data >>

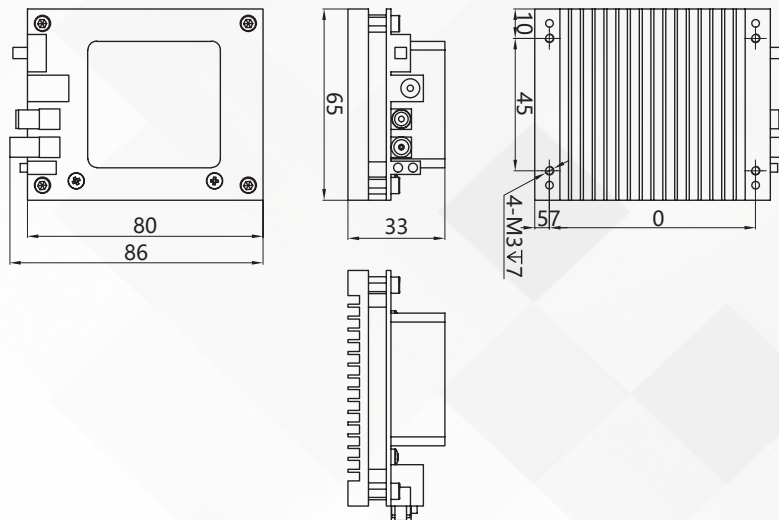
Type	E53.A1K-K
Channels	1
Nominal analog input(V)	-1.67~10
Output voltage(V)	-20~120 (optional -20~150)
Peak current(A)	1
Ave. current(mA)	60
Bandwidth(kHz)	10
Output voltage ripple(mVpp)	10(loading 2.2μF)
PZT connector	ZPL.00S.250.HLN
Control input connector	SMB
Operating temperature(° C)	0~50
Output short-circuited current (mA)	2
Overcurrent indicator	Lights on, when ave. current > 60mA
Static power(W)	2
Size(mm)	L80×W65×H33
Mass(kg)	0.17
Power supply	24V(20~30V)DC1.5A(36W)

Panel Introduction >>



No.	Functions	Description
①	Overcurrent indicator	LED red, always on when ave. current>2mA
②	Power indicator	LED green, always on when it works
③	PZT	Voltage output port, to drive PZT
④	Analog input	Analog control signal input port
⑤	Power supply	24V power supply interface
⑥	Power switch	Power on and off

Drawing >>



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