

1 Channel | E63.A1K

Piezo Amplifier



Characteristics >>

- 1 channel
- Open loop control
- Analog input -1.67~10V
- Output voltage: -20~120V/150V
- Industrial application

Applications >>

- Driving piezo actuator
- Driving piezo nanopositioning stage
- Driving piezo objective scanner
- Driving piezo shifter
- Driving capacitive load
- Driving piezo scanning platform

Introduction

E63.A1K is a small-volume, single-channel, open-loop low-dynamic piezoceramic amplifier with analog input control and pin-type connection. The product is small in size, and suitable for industrial application.



Harbin Core Tomorrow Science & Technology Co., Ltd.

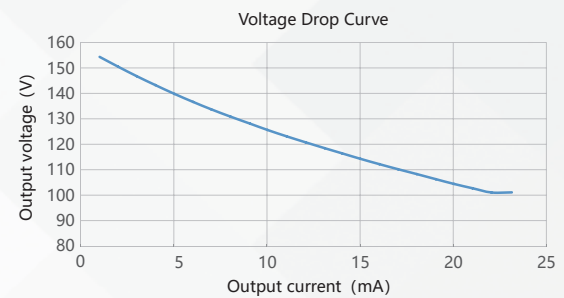
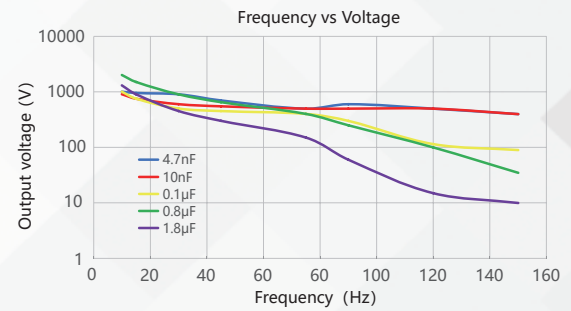
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Technical Data >>

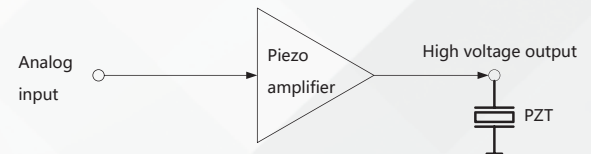
Type	E63.A1K
Functions	Analog piezo amplifier
Channels	1
Control input voltage(V)	-1.67~10
Output voltage range(V)	-20~120 (optional -20~150)
Peak current(mA)	170
Ave. current(mA)	12
Static power(W)	0.2
Bandwidth(kHz)	1
Ripple(mVpp)	5 (@2.2μF)
Connection	5P Pins (2.54mm pitch)
Operating temperature(° C)	0~50
Dimensions(mm) (L× W× H)	60×30×12.5
Mass(g)	35
Power supply	+15VDC/0.5A
Heat dissipation function	-

Curves >>

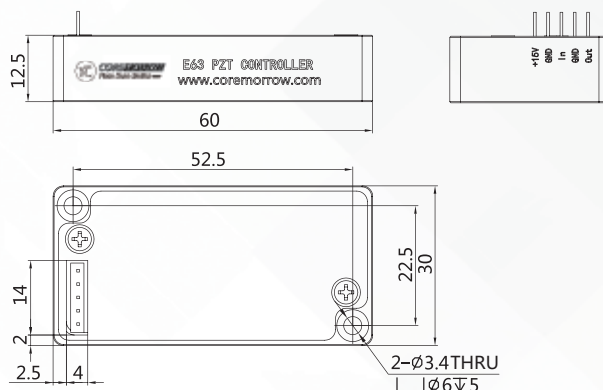


Disclaimer: The data here are typical, only for reference. Some variations will occur for different batch.

Driving Principle >>



Drawing >>



Pin Definition >>



Pin No.	Functions
1	Power supply: +15VDC/0.5A
2	Supply voltage ground and control input ground, AGND
3	Analog voltage input
4	Voltage output ground: SGND
5	Analog voltage output
Housing	Shielding ground GND



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