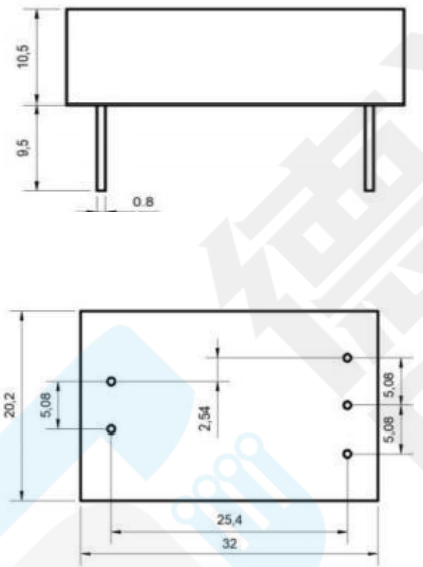
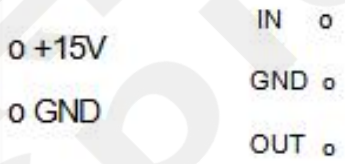
Product specification

DC-C10.1 Piezoelectric Amplifier Specification

The DC-C10.1 is primarily designed for static or low-dynamic applications as a piezoelectric ceramic driver. It can drive piezoelectric ceramic plates, low-voltage stacked piezoelectric ceramics, and nano-positioning stages, among other products. All power supply, input, and output connections are made through 5-pin solder pins located at the bottom, ensuring solderability and facilitating integration into the main PCB circuit.

DC-C10.1





Top

Pin definition and size drawing

Product Features

Single-channel open-loop piezoelectric ceramic driver with 1~5V power supply, capable of outputting 0~150V voltage. The product features a compact, small, and lightweight design. Its integrated structure facilitates easy connection, installation, and combination, making it suitable for integration into inter-device PCBs.

Product specification

Performance parameter

Model number		DC-C10.1
supply electricity	Input Voltage	15VDC/0.2mA
	Standby Power Consumption	0.2W
drive	Nominal Input Range (Analog)	0～10V
	Nominal Output Voltage	0 ～150V
	Peak Current	55mA
	Average Current	10mA
	Bandwidth (No Load)	1KHz
	Ripple （mV_{RMS}）	＜ 2 (with 1.8uF load)
	Rated Output Power	
Protection	Operating Temperature Range	-20°C to 50°C
	Short-Circuit Current Limit	mA
	Overcurrent Indication	
Connectors	Analog Control Input	
	PZT Output	
Dimensions and Weight	Dimensions	30×20×10.5mm
	Weight	0.16kg

Note: When the output voltage is high, the peak output current will decrease accordingly.