



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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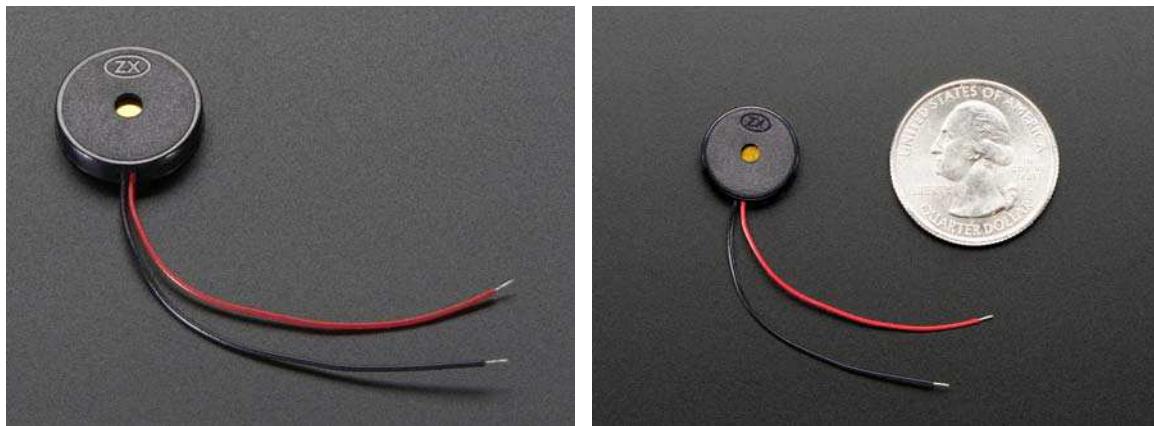
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# Small Enclosed Piezo w/Wires

PRODUCT ID: 1740



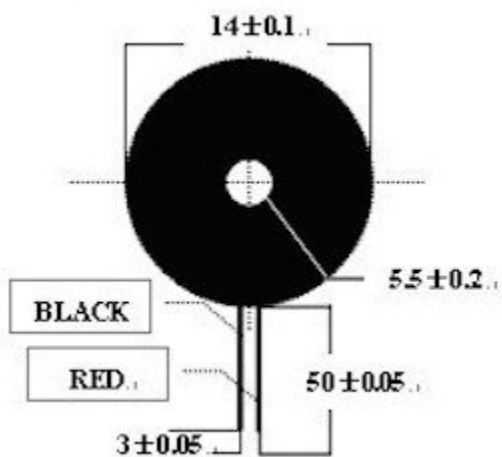
## DESCRIPTION

This small (14mm diameter) piezo element is nicely enclosed so you can attach easily. Piezo elements convert vibration to voltage or voltage to vibration. That means you can use this as a buzzer for making beeps, tones and alerts AND you can use it as a sensor, to detect fast movements like knocks. You can also use it under a drum pad to make a drum/crash sensor

It's rated for up to 9Vpp use but you can also use 3V square waves and its plenty loud. For music use with an Arduino, check out the Tone tutorial. For sensing, the Knock tutorial is your guide! There are thin wires attached, we plugged them into a solderless breadboard, but they might too thin to plug in directly into the Arduino socket headers.

## TECHNICAL DETAILS

- Resonant Frequency: 8kHz
- Max Rated Current: 3.0mA
- Rated Voltage: 9V
- Operating Temperature: -20°C ~ 70°C
- Maximum Input Voltage: 40V



Dimensions:

- External Diameter: 14mm / 0.55"
- Center Circumference: 5.5mm / 0.2"
- Thickness: 2.5mm / 0.1"
- Weight: 0.5g