

Datasheet for: Aktive Buzzer 5V

Partnumber: 0711906114370 (pack of 5)



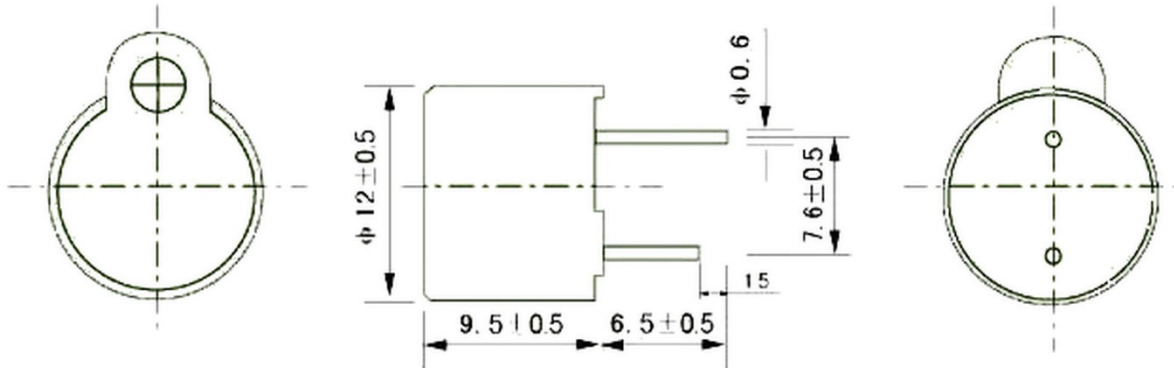
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Active buzzers are used for signalling. If there is a voltage, with the model offered here +5V, they emit a steady, penetrating, loud tone. As long as the voltage is present and current is flowing. Due to the relatively wide operating voltage range of approx. 4-7V, the buzzer continues to work even if the battery voltage drops, for example. Active buzzers are slightly magnetic. This should be taken into account when designing the circuit if other components that can be influenced magnetically, such as a Hall sensor, are used.

We deliver these active buzzers in an affordable pack of 5. They are packed in a sturdy box that not only protects them during transport. The box can be reused. Of course, the parts are also packed in an anti-static bag. You can download a detailed data sheet from our website. The download address is on the antistatic bag. There you will also find a sketch for Arduino that we use to test our buzzer applications.

Tip 1: We know from experience that the sticker can slip over the opening. When assembling, you should therefore pay more attention to the length of the connecting legs. The longer leg is the + pole. Additionally, there are + marks on the top and bottom of the buzzer housing. If you wash your boards after soldering, you should first make sure that the sticker is correctly positioned so that no water gets into the housing. After washing, the sticker can then be removed.

Tip 2: Many Arduino Nano clones allow you to connect the buzzer directly to a digital output pin. The output power is sufficient there (you should of course check it beforehand!). With other boards, such as ESP32 clones, you should definitely connect a transistor driver to avoid malfunctions.



Technical Data:

| | |
|--------------------------------|----------------------------|
| Diameter | 12mm |
| Height | 9,5mm |
| Weight | 2g |
| Color | black |
| Optimum voltage | +5V |
| Operating voltage range | ~ +3V - +7V |
| Current consumption | Max. 30mA |
| Loudness | >85dB at +7V, ~79dB at +5V |
| Resonance frequency | 2300Hz ±500Hz |
| Pitch | 7,6mm |
| Pin diameter | 0,6mm |
| Operating temperature | -20°C to +60°C |
| Storage temperature | -30°C to +85°C |

All dimensions given are approximate and may vary slightly.