

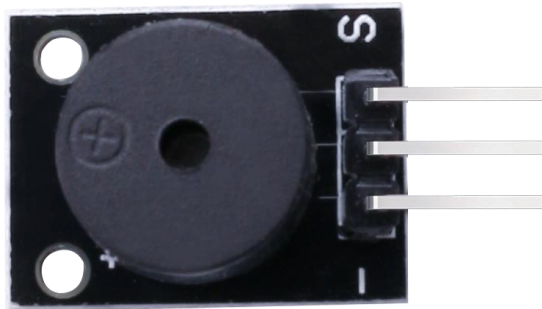
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## Passive Buzzer

### DESCRIPTION:

This module is similar with the Active Buzzer Module , the only difference is that this module only can be driven square wave signal, not DC signal.

Here the “source” does not mean power. But rather refers to the shock source (Frequency). In other words, the active internal buzzer with shock source. The passive internal sources without shocks, so if a DC signal can not make it tweet. Must 2K ~ 5K square wave to Drive it.



### Specification:

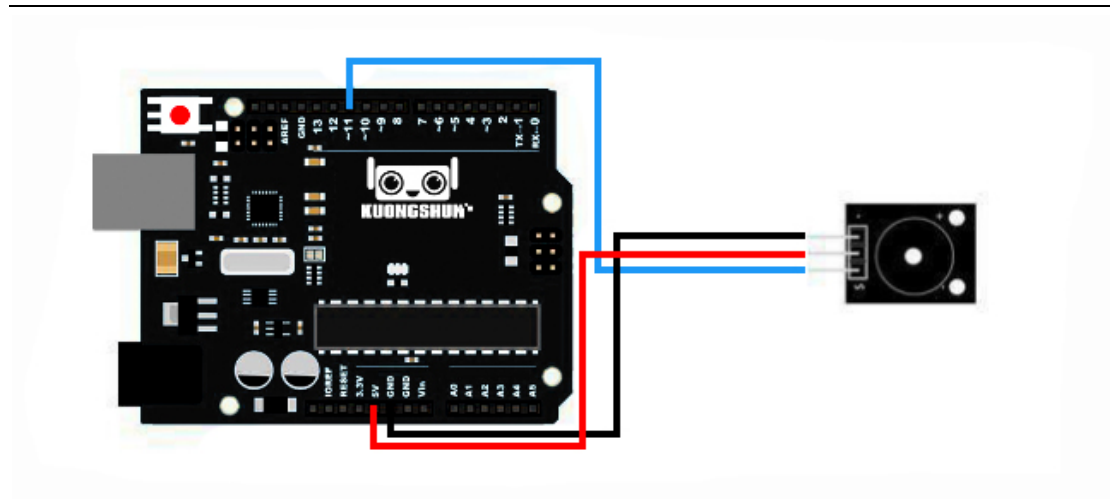
- Operation voltage: 3.3V/5V
- Size: 25\*15\*12mm
- Weight: 2g

### PIN CONFIGURATION:

- 1、 “-” : GND
- 2、 “+”: +5V
- 3、 “S” : Signal input pin

### Example:

Here is a example that driven the Passive buzzer sound. The connection as below:



### Code:

```
int buzzer = 8 ;// setting controls the digital IO foot buzzer

void setup ()
{
  pinMode (buzzer, OUTPUT) ;// set the digital IO pin mode, OUTPUT out of Wen
}

void loop ()
{
  unsigned char i, j ;// define variables

  while (1)
  {
    for (i = 0; i < 70; i++) // Wen a frequency sound
    {
      digitalWrite (buzzer, HIGH) ;// send voice
      delay (1) ;// Delay 1ms
      digitalWrite (buzzer, LOW) ;// do not send voice
      delay (1) ;// delay ms
    }
  }
}
```

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```
for (i = 0; i < 90; i++) // Wen Qie out another frequency sound
{
    digitalWrite (buzzer, HIGH) ;// send voice
    delay (2) ;// delay 2ms
    digitalWrite (buzzer, LOW) ;// do not send voice
    delay (2) ;// delay 2ms
}
}
}
```