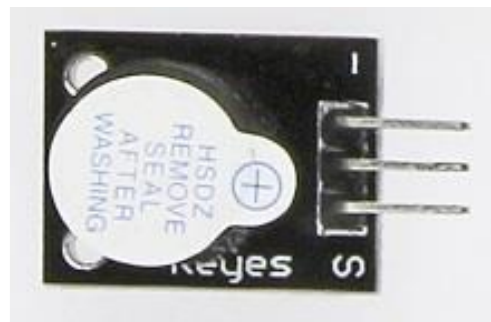# KY 012 Buzzer (Bzučák)

- Aktivní elektronický bzučák
- Pouzdro elektronického bzučáku je mírně vyšší, než je pasivního reproduktoru

Specifikace:
- provozní frekvence 4000Hz na 80dB min
- napájení   5V
- proud: 5 mA
- TMB12A05

KY-012 Specifications

The KY-012 Active Buzzer module consists of an active piezoelectric buzzer, it generates a sound of aproximately 2.5kHz when signal is high.

Operating Voltage	3.5V ~ 5.5V
Maximum Current	30mA / 5VDC
Resonance Frequency	2500Hz ± 300Hz
Minimum Sound Output	85Db @ 10cm
Working Temperature	-20°C ~ 70°C [-4°F ~ 158°F]
Storage Temperature	-30°C ~ 105°C [-22°F ~ 221°F]
Dimensions	18.5mm x 15mm [0.728in x 0.591in]

Pinout

① GND
② +V
③ Signal

```
/Example code KY012 active buzzer
int speakerPin = 8;
void setup () {
  pinMode (speakerPin, OUTPUT);
}
void loop () {
  analogWrite (speakerPin, 255);
  delay (50);
  analogWrite (speakerPin, 0);
  delay (10);
}
```

http://arduinomodules.info/ky-012-active-buzzer-module/
https://tkkrlab.nl/wiki/Arduino_KY-012_Active_buzzer_module
http://sensorkit.en.joy-it.net/index.php?title=KY-012_Active_Piezo-Buzzer_module

https://www.youtube.com/watch?v=LIw7V3e7VEI
https://www.youtube.com/watch?v=emhC_nIZSDc